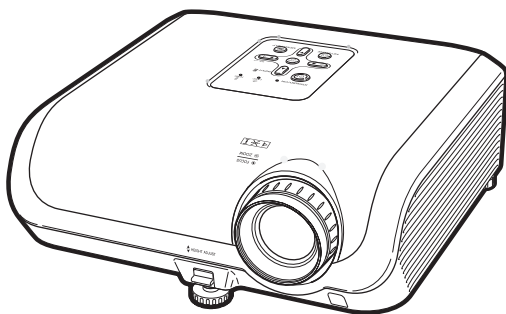


SHARP

SERVICE MANUAL

S95N7DT-100//



MULTIMEDIA PROJECTOR

MODEL **DT-100**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SPECIFICATIONS

Product type	Projector
Model	DT-100
Video system	NTSC3.58/NTSC4.43/PAL/PAL-M/PAL-N/PAL-60/SECAM/DTV480I/DTV480P/DTV540P/DTV576I/DTV576P/DTV720P/DTV1035I/DTV1080I/DTV1080I-50
Display method	Single Chip Digital Micromirror Device™ (DMD™) by Texas Instruments
DMD panel	Panel size: 0.53", 1chip DMD No. of dots: 409,920 dots (854 [H] · 480 [V])
Lens	1–1.15 · zoom lens, F2.4–2.6, f = 19.0–21.9 mm
Projection lamp	275 W DC lamp
Component input signal (INPUT 1/2)	15-pin mini D-sub connector Y: 1.0 Vp-p, sync negative, 75 Ω terminated P _B : 0.7 Vp-p, 75 Ω terminated P _R : 0.7 Vp-p, 75 Ω terminated
Horizontal resolution	520 TV lines (DTV720P)
Computer RGB input (INPUT 1/2)/output (OUTPUT) signal	15-pin mini D-sub connector RGB separate/sync on green type analog input: 0–0.7 Vp-p, positive, 75 Ω terminated HORIZONTAL SYNC. SIGNAL: TTL level (positive/negative) VERTICAL SYNC. SIGNAL: Same as above
S-video input signal (INPUT 3)	4-pin mini DIN connector Y (luminance signal): 1.0 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
Video input signal (INPUT 4)	RCA connector: VIDEO, composite video, 1.0 Vp-p, sync negative, 75 Ω terminated
Vertical frequency	45–85 Hz
Horizontal frequency	15–70 kHz
Pixel clock	12–108 MHz
RS-232C terminal	9-pin mini DIN connector
Audio input signal	ø3.5 mm minijack or RCA terminal: 0.5 Vrms, more than 22 kΩ (stereo)
Audio output signal (AUDIO OUTPUT 1-4)	ø3.5 mm minijack: 0.5 Vrms, less than 2.2 kΩ
Speaker system	4 cm · 2.85 cm oval · 1
Rated voltage	AC 100–240 V
Input current	3.6 A
Rated frequency	50/60 Hz
Power consumption	350 W (Lamp Setting "Bright")/ 305 W (Lamp Setting "Eco + Quiet") with AC 100 V 330 W (Lamp Setting "Bright")/ 285 W (Lamp Setting "Eco + Quiet") with AC 240 V
Power consumption (standby)	4 W (AC 100 V) – 5 W (AC 240 V)
Heat dissipation	1,315 BTU/hour (Lamp Setting "Bright")/ 1,145 BTU/hour (Lamp Setting "Eco + Quiet") with AC 100 V 1,240 BTU/hour (Lamp Setting "Bright")/ 1,070 BTU/hour (Lamp Setting "Eco + Quiet") with AC 240 V
Operating temperature	41°F to 95°F (+5°C to +35°C)
Storage temperature	–4°F to 140°F (–20°C to +60°C)
Cabinet	Plastic
I/R carrier frequency	38 kHz
Dimensions (approx.)	12 ¹³ / ₃₂ " · 4 ¹⁹ / ₆₄ " · 11 ¹ / ₃₂ " (315 (W) · 109 (H) · 280 (D) mm) (main body only) 12 ¹³ / ₃₂ " · 4 ⁴⁷ / ₆₄ " · 11 ³⁷ / ₆₄ " (315 (W) · 120 (H) · 294 (D) mm) (including adjustment foot and projecting parts)
Weight (approx.)	8.6 lbs. (3.9 kg)
Replacement parts	Remote control, Power cord for U.S. and Canada, 3 RCA to 15-pin D-sub adaptor, Operation manual

As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

IMPORTANT SERVICE SAFETY NOTES (for USA)

■ Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and servicing guidelines as follows:

WARNING

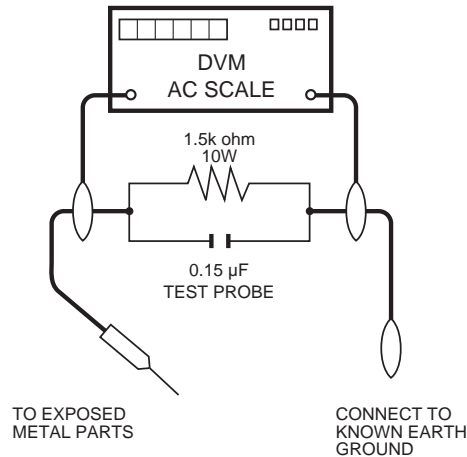
1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

BEFORE RETURNING THE PROJECTOR: (Fire & Shock Hazard)

Before returning the projector to the user, perform the following safety checks:

1. Inspect lead wires are not pinched between the chassis and other metal parts of the projector.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for current leakage in the following manner:
 - Plug the AC cord directly into a 120-volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in parallel between all exposed metal cabinet parts and earth ground.

- Use an AC voltmeter with sensitivity of 5000 ohm per volt., or higher, sensitivity to measure the AC voltage drop across the resistor (See Diagram).
 - All checks must be repeated with the AC plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these checks.)
- Any reading of 0.3 volts RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in DMD™ Projector have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by “ \triangle ” and shaded areas in the Replacement Parts Lists and Schematic Diagrams. For continued protection, replacement parts must be identical to those used in the original circuit. The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

WARNING: The bimetallic component has the primary conductive side exposed. Be very careful in handling this component when the power is on.

AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les projecteur à DMD™ présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue.

Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque “ \triangle ” et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques. Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies ou autres accidents.

AVERTISSEMENT: La composante bimétallique dispose du conducteur primaire dénudé. Faire attention lors de la manipulation de cette composante sous tension.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

- Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.

AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit.
C'est dangereux.
2. Débrancher le récepteur avant toute réparation.

VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

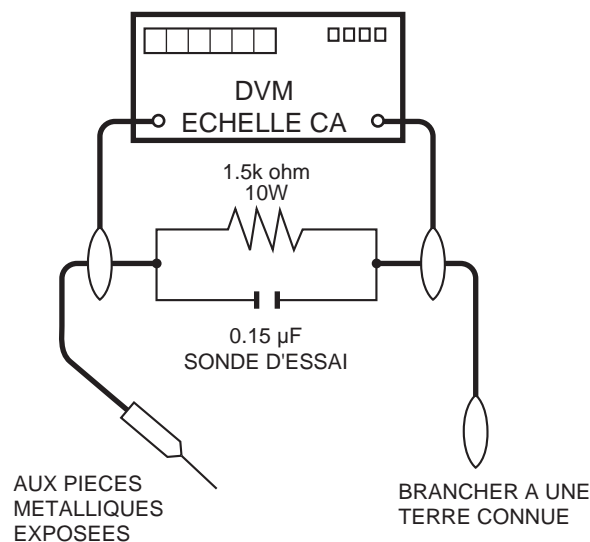
1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
 - Brancher le cordon d'alimentation directement à une prise de courant de 110-240V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
 - A l'aide de deux fils à pinces, brancher une résistance de 1.5 k Ω 10 watts en parallèle avec un condensateur de 0.15 μ F en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une

conduite électrique ou une prise de terre branchée à la terre.

- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000 Ω /V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.)

Tous les courants mesurés ne doivent pas dépasser 0.5 mA.

Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



NOTE TO SERVICE PERSONNEL

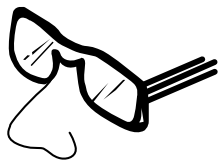
UV-RADIATION PRECAUTION

The light source, UHP lamp, in the LCD projector emits small amounts of UV-Radiation.

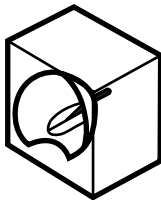
AVOID DIRECT EYE AND SKIN EXPOSURE.

To ensure safety please adhere to the following:

1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.



2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type AN-100LP rated 275W DC.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

NOTE POUR LE PERSONNEL D'ENTRETIEN

PRECAUTION POUR LES RADIATIONS UV

La source de lumière, la lampe UHP, dans le projecteur LCD émet de petites quantités de radiation UV.

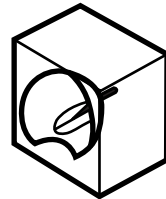
EVITEZ TOUTE EXPOSITION DIRECTE DES YEUX ET DE LA PEAU.

Pour votre sécurité, nous vous prions de respecter les points suivants:

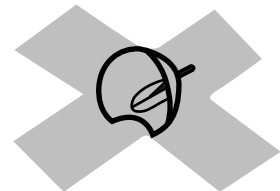
1. Toujours porter des lunettes de soleil lors d'un entretien du projecteur avec la lampe allumée et le haut du coffret retiré.



2. Ne pas faire fonctionner la lampe à l'extérieur du boîtier de lampe.



3. Ne pas faire fonctionner plus de 2 heures avec le coffret retiré.



Précautions pour les radiations UV et la lampe moyenne pression

1. Toujours débrancher la fiche AC lors du remplacement de la lampe.
2. Laisser l'unité refroidir pendant une heure avant de procéder à l'entretien.
3. Ne remplacer qu'avec une lampe du même type. Type AN-100LP, caractéristique 275 W-DC.
4. La lampe émet de petites quantités de radiation UV-éviter tout contact direct avec les yeux.
5. La lampe moyenne pression implique un risque d'explosion. Toujours suivre les instructions d'installation décrites ci-dessous et manipuler la lampe avec soin.

UV-RADIATION PRECAUTION (Continued)

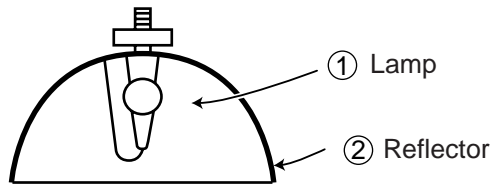
■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.)

Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.

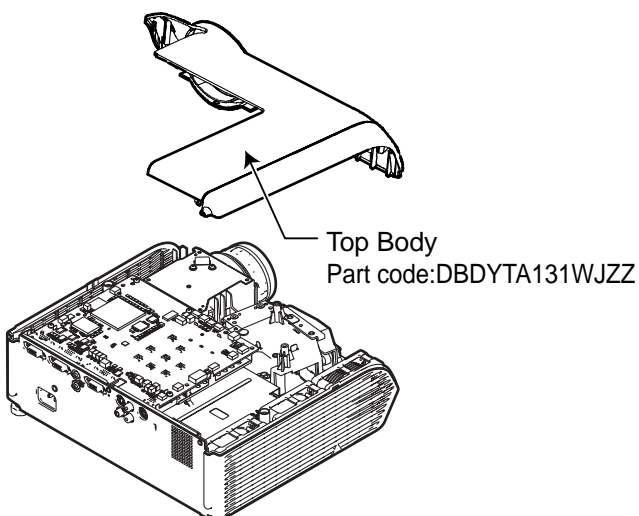
[Use original replacement only.]



DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-radiation are emitted from an opening between the exhaust fans, it is recommended to place the cap of the optional lens on the opening during servicing to avoid eye and skin exposure.

To illuminate the lamp in the unit with Top Body removed, attach the above Service Top Body (DBDYTA131WJZZ). If not, problems may be caused by UV light emitted from the lamp.



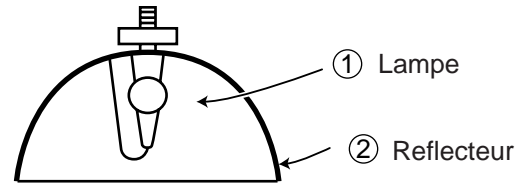
PRECAUTION POUR LES RADIATIONS UV (Suite)

■ Remplacement de la lampe

Remarque:

Comme la lampe devient très chaude pendant le fonctionnement de l'unité, son remplacement ne doit être effectué au moins une heure après avoir coupé l'alimentation (pour permettre à la lampe de refroidir). En installant la nouvelle lampe, s'assurer de ne pas toucher la lampe (ampoule). Remplacer la lampe en tenant son réflecteur ②.

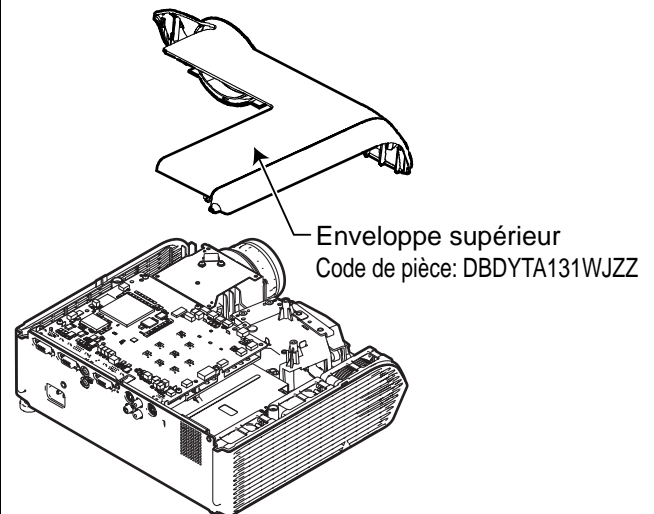
[N'utiliser qu'un remplacement d'origine.]



DANGER ! — Ne jamais mettre sous tension sans la lampe pour éviter un choc électrique ou des dommages des appareils car le stabilisateur génère de hautes tensions à sa mise en route.

Comme de petites quantités de radiation UV sont émises par une ouverture entre les ventilateurs aspirants, il est recommandé de placer le capuchon de l'optique optionnelle sur l'ouverture pendant l'entretien pour éviter une exposition des yeux et la peau.

Pour allumer la lampe de l'appareil après avoir retiré l'enveloppe supérieure, fixer l'enveloppe supérieure de service ci-dessus (DBDYTA131WJZZ). Dans le cas contraire, il peut se produire un problème dû à l'émission de rayons UV.



WARNING: High brightness light source, do not stare into the beam of light, or view directly. Be especially careful that children do not stare directly in to the beam of light.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO MOISTURE OR WET LOCATIONS.



CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT REMOVE SCREWS
EXCEPT SPECIFIED USER
SERVICE SCREW.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE CABINET.
NO USER-SERVICEABLE PARTS EXCEPT LAMP UNIT.
REFER SERVICING TO QUALIFIED SERVICE
PERSONNEL.



The lighting flash with arrowhead within a triangle is intended to tell the user that parts inside the product are risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the manual with the projector.

CAUTION (POWER Unit)



For continued protection against a risk of fire, replace only with same type 6.3A, AC250V fuse. (F701)

AVERTISSEMENT: Source lumineuse de grande intensité. Ne pas fixer le faisceau lumineux ou le regarder directement. Veiller particulièrement à éviter que les enfants ne fixent directement le faisceau lumineux.

AVERTISSEMENT: AFIN D'ÉVITER TOUT RISQUE D'INCENDIE OU D'ELECTROCUTION, NE PAS PLACER CET APPAREIL DANS UN ENDROIT HUMIDE OU MOUILLE.



ATTENTION

RISQUE
D'ÉLECTROCUTION. NE
PAS RETIRER LES VIS À
L'EXCEPTION DE LA VIS DE
REPARATION UTILISATEUR
SPECIFIEES



ATTENTION: POUR ÉVITER TOUT RISQUE
D'ÉLECTROCUTION, NE PAS RETIRER LE CAPOT.
AUCUNE DES PIÈCES INTÉRIEURES N'EST RÉPARABLE
PAR L'UTILISATEUR, À L'EXCEPTION DE L'UNITÉ DE
LAMPE. POUR TOUTE RÉPARATION, S'ADRESSER À UN
TECHNICIEN D'ENTRETIEN QUALIFIÉ.



L'éclair terminé d'une flèche à l'intérieur d'un triangle indique à l'utilisateur que les pièces se trouvant dans l'appareil sont susceptibles de provoquer une décharge électrique.



Le point d'exclamation à l'intérieur d'un triangle indique à l'utilisateur que les instructions de fonctionnement et d'entretien sont détaillées dans les documents fournis avec le projecteur.

PRECAUTION

(Unité de PUISSANCE)



Pour une protection continue contre un risque d'incendie, ne remplacer qu'avec un fusible 6.3A, AC250V du même type. (F701)

Precautions for using lead-free solder

1 Employing lead-free solder

"PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LF a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

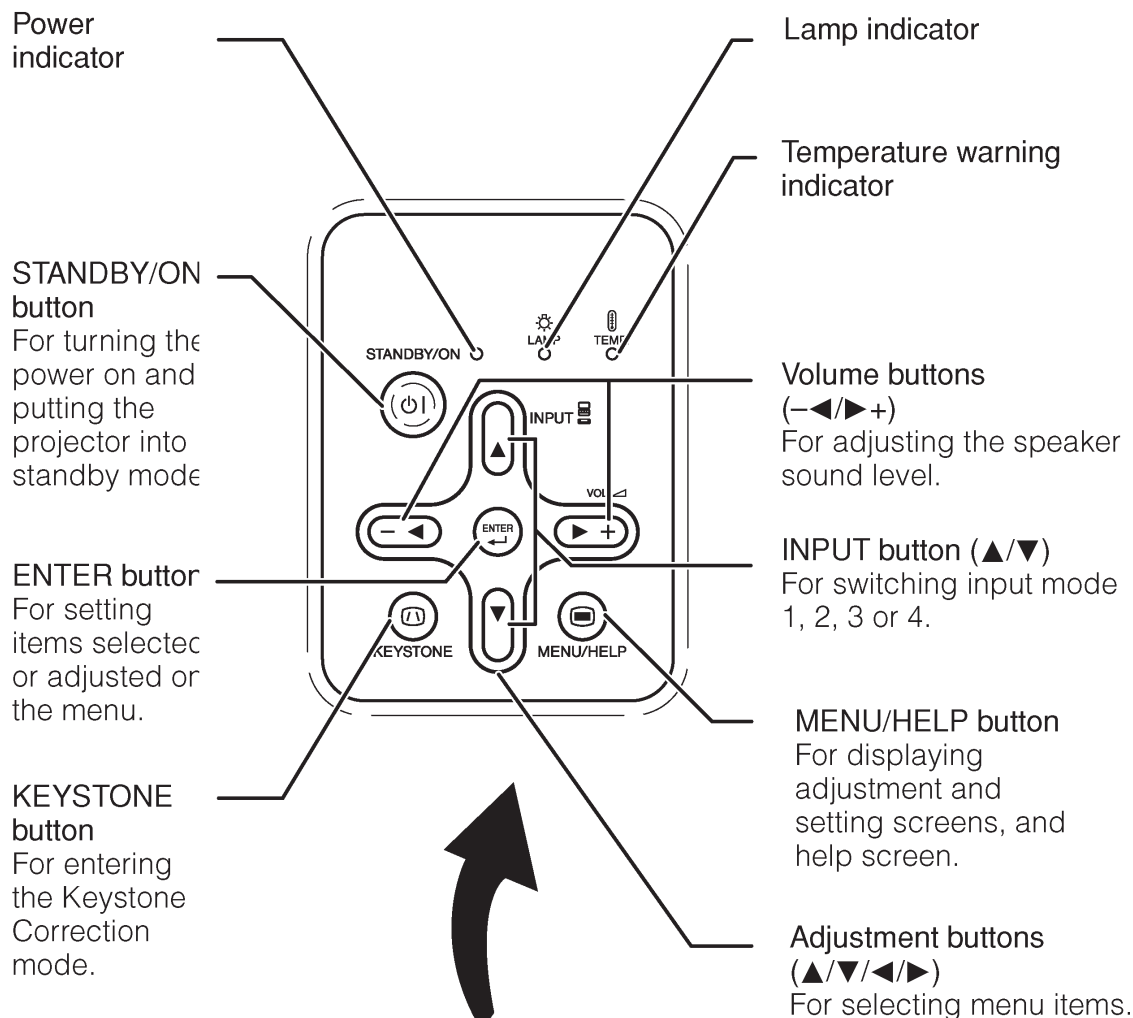
Lead-free wire solder for servicing

Part No.	★	Description	Code
ZHNDai123250E	J	φ0.3mm 250g(1roll)	BL
ZHNDai126500E	J	φ0.6mm 500g(1roll)	BK
ZHNDai12801KE	J	φ1.0mm 1kg(1roll)	BM

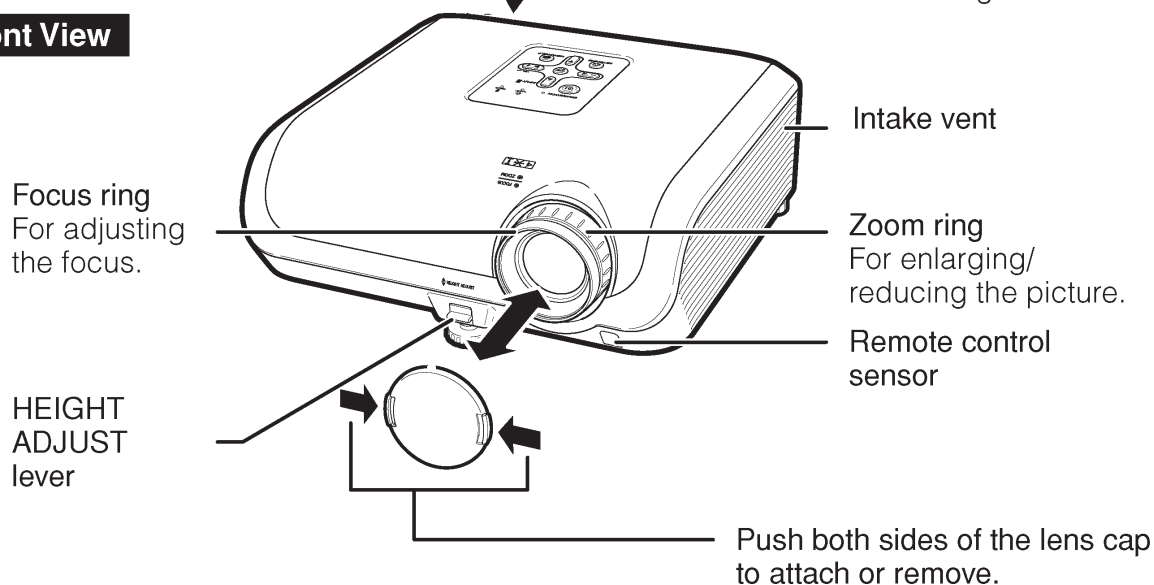
Operation Manual

Projector

Top View

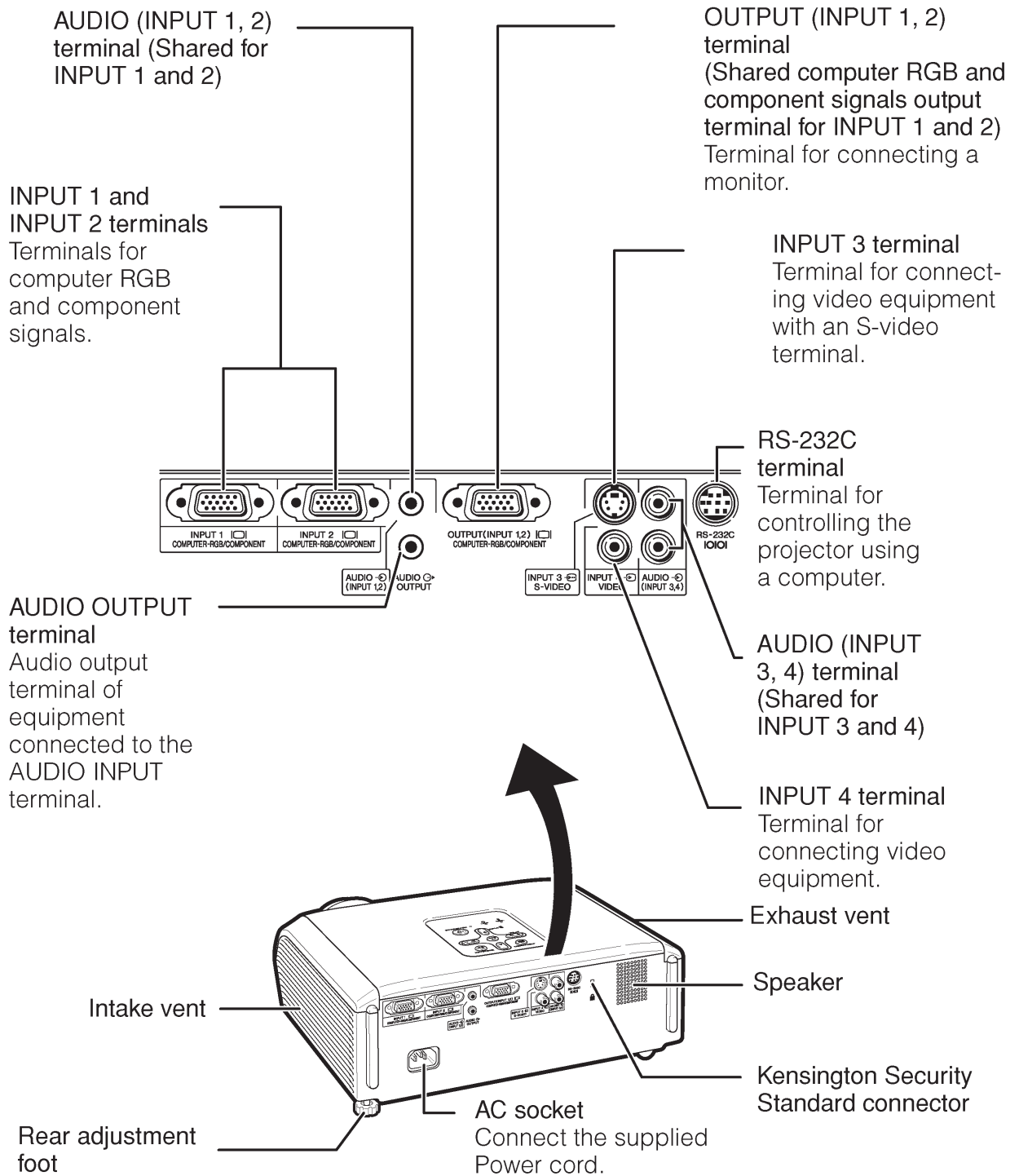


Front View



Rear View

Terminals Refer to "INPUT Terminals and Connectable Main Equipment"



Using the Kensington Lock

- This projector has a Kensington Security Standard connector for use with a Kensington MicroSaver Security System. Refer to the information that came with the system for instructions on how to use it to secure the projector.

STANDBY button

For putting the projector into the standby mode.

KEystone button

For entering the Keystone Correction mode.

RETURN button

For returning to the previous menu screen during menu operations.

AV MUTE button

For temporarily displaying the black screen and turning off the sound.

PICTURE MODE button

For selecting the appropriate picture.

ON button

For turning the power on.

MENU/HELP button

For displaying adjustment and setting screens, and help screen.

Adjustment buttons

(▲/▼/◀/▶)

- For selecting menu items.
- For adjusting the Keystone Correction when in the Keystone Correction mode.

ENTER button

For setting items selected or adjusted on the menu.

FREEZE button

For freezing images.

Volume buttons

For adjusting the speaker sound level.

AUTO SYNC button

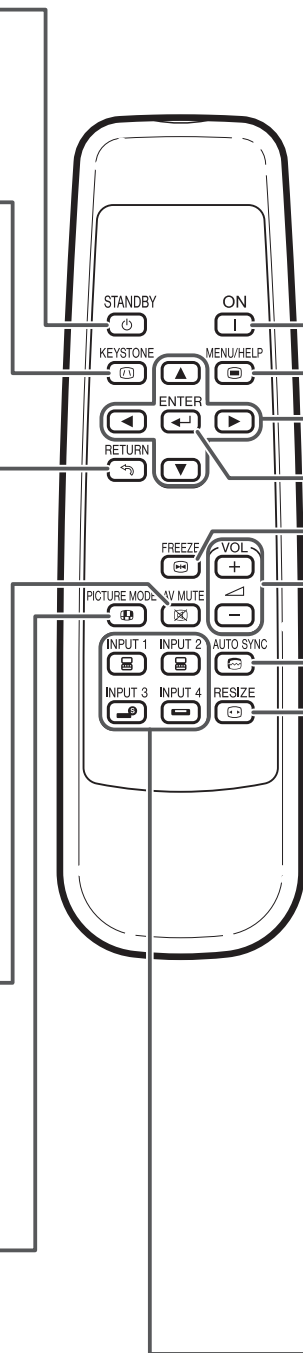
For automatically adjusting images when connected to a computer.

RESIZE button

For switching the screen size (STRETCH, SIDE BAR, CINEMA ZOOM).

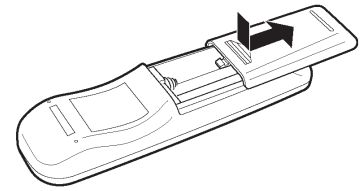
INPUT 1, 2, 3 and 4 buttons

For switching to the respective input modes.



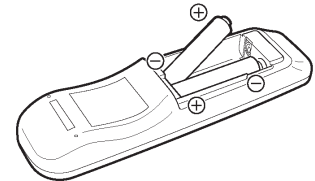
Inserting the Batteries

- 1** Press the ▲ mark on the cover and slide it in the direction of the arrow.

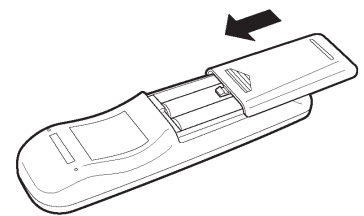


- 2** Insert the batteries.

- Insert the batteries making sure the polarities correctly match the ⊕ and ⊖ marks inside the battery compartment.



- 3** Attach the cover and slide it until it clicks into place.



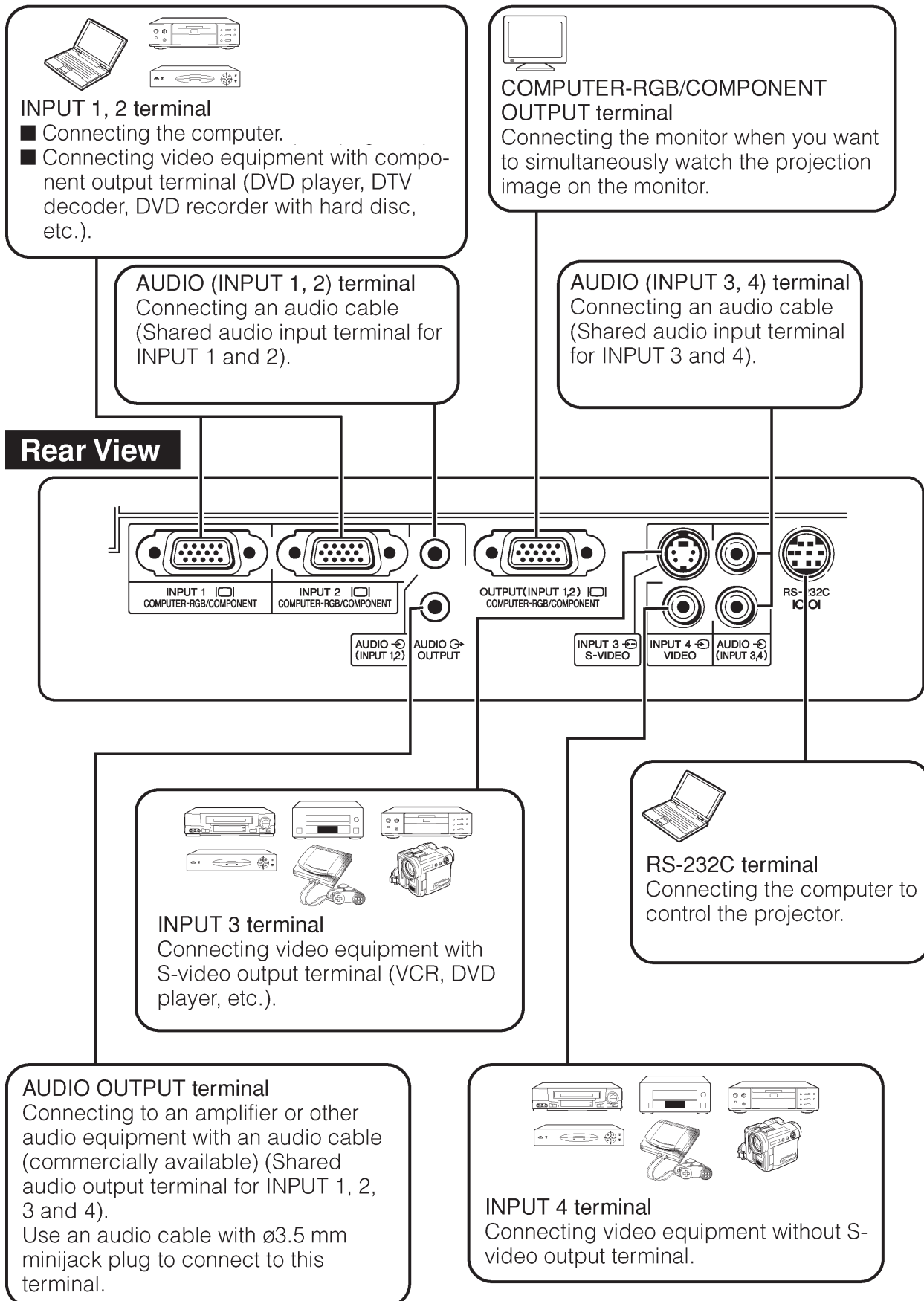
Incorrect use of the batteries may cause them to leak or explode. Please follow the precautions below.



Caution

- Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.
- Insert the batteries making sure the polarities correctly match the ⊕ and ⊖ marks inside the battery compartment.
- Batteries of different types have different properties, therefore do not mix batteries of different types.
- Do not mix new and old batteries.
This may shorten the life of new batteries or may cause old batteries to leak.
- Remove the batteries from the remote control once they have run out, as leaving them in can cause them to leak.
Battery fluid from leaked batteries is harmful to skin, therefore ensure that you first wipe them and then remove them using a cloth.
- The batteries included with this projector may run down in a short period, depending on how they are kept. Be sure to replace them as soon as possible with new batteries.
- Remove the batteries from the remote control if you will not be using the remote control for a long time.
- Comply with the rules (ordinance) of each local government when disposing of worn-out batteries.

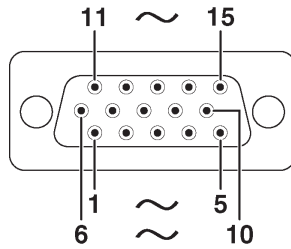
INPUT Terminals and Connectable Main Equipment



Connection Pin Assignments

COMPUTER-RGB/COMPONENT INPUT1, 2 and COMPUTER-RGB/COMPONENT OUTPUT Terminals: 15-pin Mini D-sub female connector

COMPUTER-RGB Input/Output		Component Input/Output	
1.	Video input (red)	1.	PR (CR)
2.	Video input (green/sync on green)	2.	Y
3.	Video input (blue)	3.	PB (CB)
4.	Not connected	4.	Not connected
5.	Not connected	5.	Not connected
6.	Earth (red)	6.	Earth (PR)
7.	Earth (green/sync on green)	7.	Earth (Y)
8.	Earth (blue)	8.	Earth (PB)
9.	Not connected	9.	Not connected
10.	GND	10.	Not connected
11.	Not connected	11.	Not connected
12.	Bi-directional data	12.	Not connected
13.	Horizontal sync signal: TTL level	13.	Not connected
14.	Vertical sync signal: TTL level	14.	Not connected
15.	Data clock	15.	Not connected

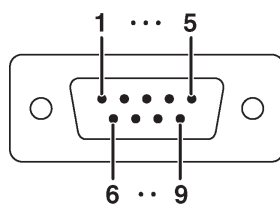


RS-232C Terminal: 9-pin Mini DIN female connector

Pin No.	Signal	Name	I/O	Reference
1.				Not connected
2.	RD	Receive Data	Input	Connected to internal circuit
3.	SD	Send Data	Output	Connected to internal circuit
4.				Not connected
5.	SG	Signal Ground		Connected to internal circuit
6.				Not connected
7.	RS	Request to Send		Connected to CS in internal circuit
8.	CS	Clear to Send		Connected to RS in internal circuit
9.				Not connected

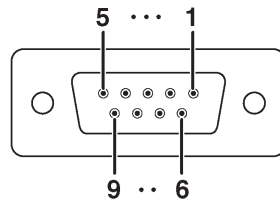
RS-232C Terminal: 9-pin D-sub male connector of the DIN-D-sub RS-232C adaptor (optional accessory: AN-A1RS)

Pin No.	Signal	Name	I/O	Reference
1.				Not connected
2.	RD	Receive Data	Input	Connected to internal circuit
3.	SD	Send Data	Output	Connected to internal circuit
4.				Not connected
5.	SG	Signal Ground		Connected to internal circuit
6.				Not connected
7.	RS	Request to Send		Connected to CS in internal circuit
8.	CS	Clear to Send		Connected to RS in internal circuit
9.				Not connected



RS-232C Cable recommended connection: 9-pin D-sub female connector

Pin No.	Signal	Pin No.	Signal
1.	CD	1.	CD
2.	RD	2.	RD
3.	SD	3.	SD
4.	ER	4.	ER
5.	SG	5.	SG
6.	DR	6.	DR
7.	RS	7.	RS
8.	CS	8.	CS
9.	CI	9.	CI



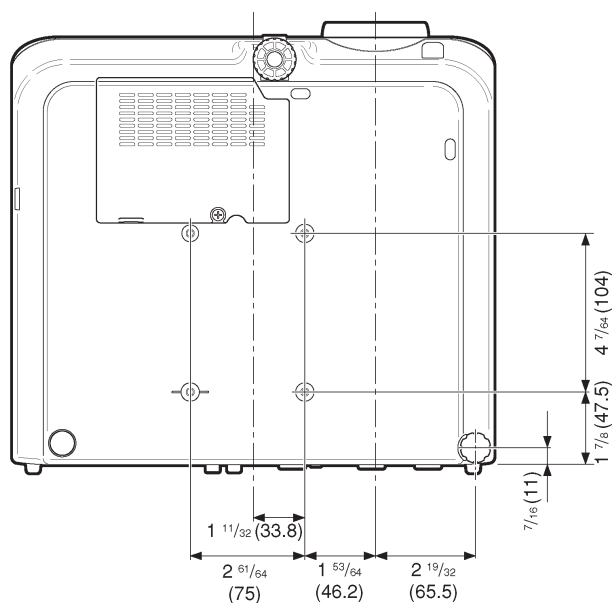
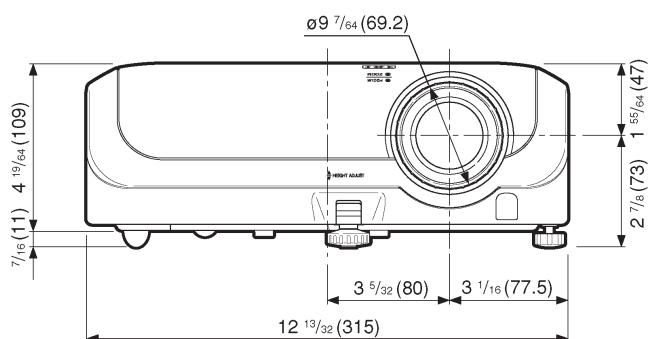
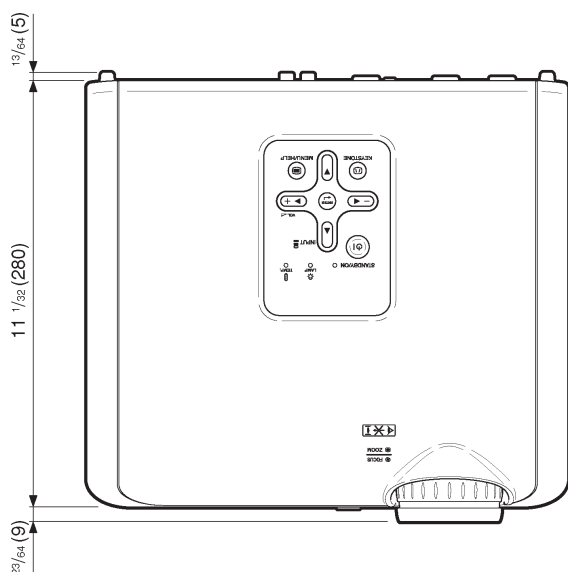
Note

- Depending on the controlling device used, it may be necessary to connect Pin 4 and Pin 6 on the controlling device (e.g. computer).



DIMENSIONS

Units: inches(mm)



RESETTING THE TOTAL LAMP TIMER

● Resetting the total lamp timer

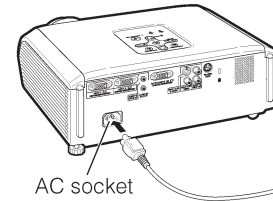
When replacing the lamp, reset the total lamp timer in the procedure below.

Resetting the Lamp Timer

Reset the lamp timer after replacing the lamp.

Info

- Make sure to reset the lamp timer only when replacing the lamp. If you reset the lamp timer and continue to use the same lamp, this may cause the lamp to become damaged or explode.



AC socket

1

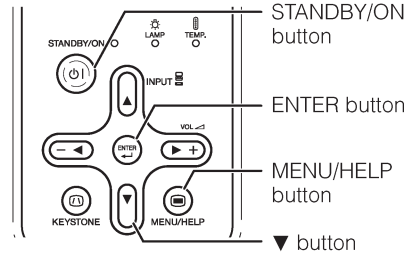
Connect the power cord.

- Plug the power cord into the AC socket of the projector.

2

Reset the lamp timer.

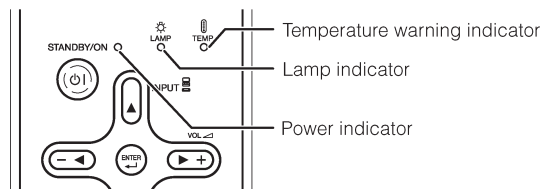
- While simultaneously holding down MENU/HELP, ENTER and on the projector, press STANDBY/ON on the projector.
- "LAMP 0000H" is displayed, indicating that the lamp timer is reset.



Lamp

- It is recommended that the lamp (sold separately) be replaced when the remaining lamp life becomes 5% or less, or when you notice a significant deterioration in the picture and color quality. The lamp life (percentage) can be checked with the on-screen display.
- Purchase a replacement lamp of type AN-100LP from your place of purchase, nearest Sharp Authorized Projector Dealer or Service Center.
- The warning lights (power indicator, lamp indicator and temperature warning indicator) on the projector indicate problems inside the projector.
- If a problem occurs, either the temperature warning indicator or the lamp indicator will illuminate red, and the projector will enter standby mode. After the projector has entered standby mode, follow the procedures given below.

Top View



About the temperature warning indicator



If the temperature inside the projector increases, due to blockage of the air vents, or the setting location, "TEMP." will illuminate in the lower left corner of the picture. If the temperature keeps on rising, the lamp will turn off and the temperature warning indicator will blink, the cooling fan will run, and then the projector will enter standby mode. After "TEMP." appears, be sure to perform the measures.

About the lamp indicator



- When the remaining lamp life becomes 5% or less, (yellow) and "Change The Lamp" will be displayed on the screen. When the percentage becomes 0%, it will change to (red), the lamp will automatically turn off and then the projector will automatically enter standby mode. At this time, the lamp indicator will illuminate in red.
- If you try to turn on the projector a fourth time without replacing the lamp, the projector will not turn on.

Maintenance indicator	Problem		Cause	Possible Solution
	Normal	Abnormal		
Temperature warning indicator	Off	Red on (Standby)	The internal temperature is abnormally high.	<ul style="list-style-type: none"> Blocked air intake Relocate the projector to an area with proper ventilation.
			<ul style="list-style-type: none"> Cooling fan breakdown Internal circuit failure Clogged air intake 	<ul style="list-style-type: none"> Take the projector to your nearest Sharp Authorized Projector Dealer or Service Center for repair.
Lamp indicator	Green on (Green blinks when the lamp is warming up or turning off.)	Red on (Standby)	The lamp does not illuminate.	<ul style="list-style-type: none"> The lamp is shut down abnormally. Disconnect the power cord from the AC outlet, and then connect it again.
			Time to change the lamp.	<ul style="list-style-type: none"> Remaining lamp life becomes 5% or less. Carefully replace the lamp.
Power indicator	Green on/Red on (Green blinks (Cooling))	Red blinks	The lamp does not illuminate.	<ul style="list-style-type: none"> Burnt-out lamp Lamp circuit failure Take the projector to your nearest Sharp Authorized Projector Dealer or Service Center for repair. Please exercise care when replacing the lamp. Securely install the cover.
			The power indicator blinks in red when the projector is on.	<ul style="list-style-type: none"> The lamp unit cover is open. If the power indicator blinks in red even when the lamp unit cover is securely installed, contact your nearest Sharp Authorized Projector Dealer or Service Center for advice.



Info

- If the temperature warning indicator illuminates, and the projector enters standby mode, follow the possible solutions above and then wait until the projector has cooled down completely before plugging in the power cord and turning the power back on. (At least 10 minutes.)
- If the power is turned off for a brief moment due to power outage or some other cause while using the projector, and the power supply recovers immediately after that, the lamp indicator will illuminate in red and the lamp may not be lit. In this case, unplug the power cord from the AC outlet, replace the power cord in the AC outlet and then turn the power on again.
- The cooling fan keeps the internal temperature of the projector constant and this function is controlled automatically. The sound of the cooling fan may change during operation because the fan speed may change and this is not a malfunction.
- Do not unplug the power cord after the projector has entered standby mode and while the cooling fan is running. The cooling fan runs for about 90 seconds.

Keystone correction range expansion and vertical compression adjustment function

The variable range of the keystone can be expanded to over the user adjustable range by using the following RS-232C commands. In addition, the vertical compression can be adjusted.

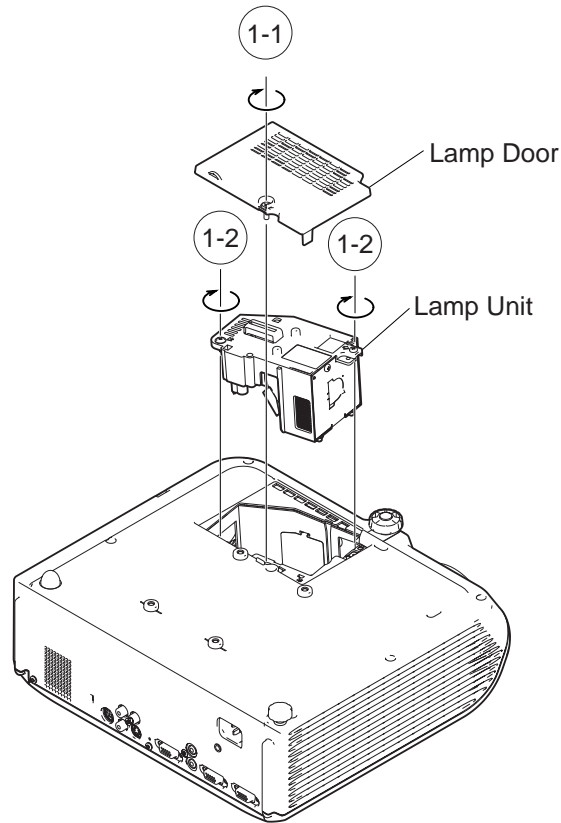
Command description

Control	Command	Parameter	Return
Disabling function	BKLM	_0	OKorERR
Enabling function	BKLM	_1	OKorERR
Keystone correction range expansion (-200 - +200)	BKST	* * * *	OKorERR
Vertical compression adjustment (-300 - +300)	BKVO	* * * *	OKorERR

REMOVING OF MAJOR PARTS

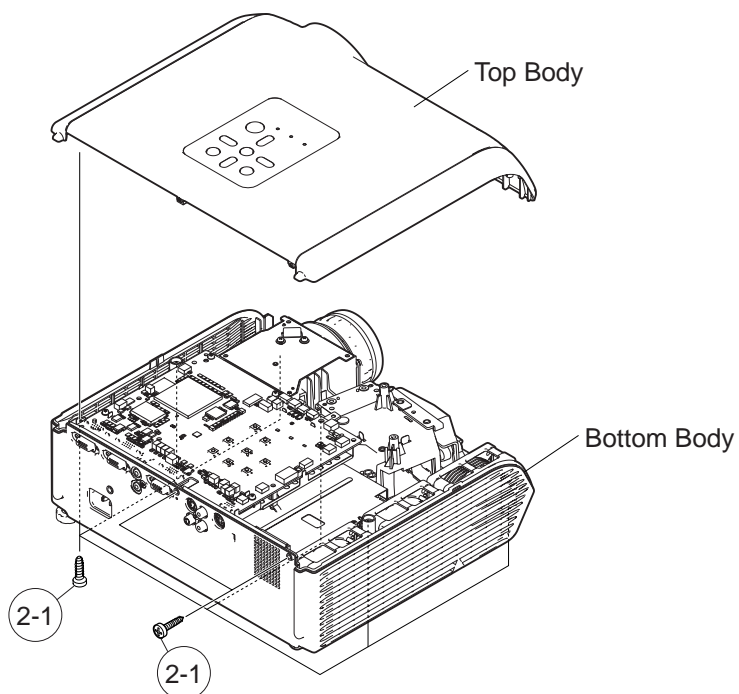
1. Removing the lamp door and the lamp unit

- 1-1. Loosen the lamp door fixing screw. Lift off the lamp door.
- 1-2. Remove 2 lamp unit fixing screws to detach the lamp unit.



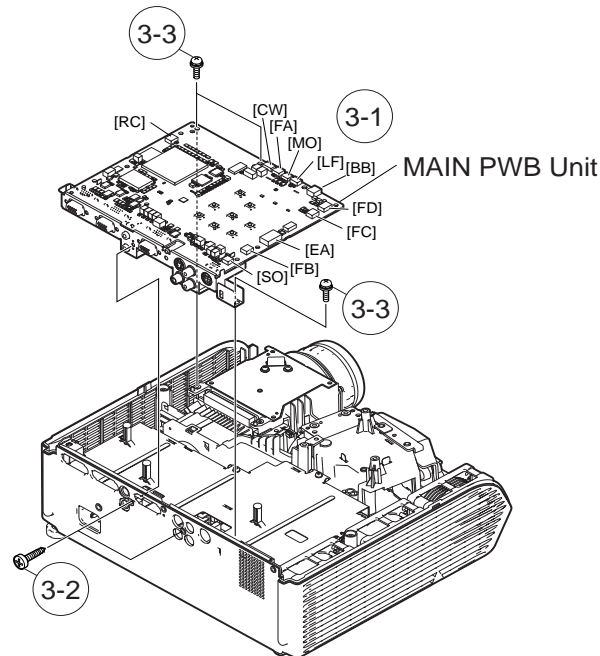
2. Removing the top body

- 2-1. Remove 8 top body fixing screws to detach the Top body.



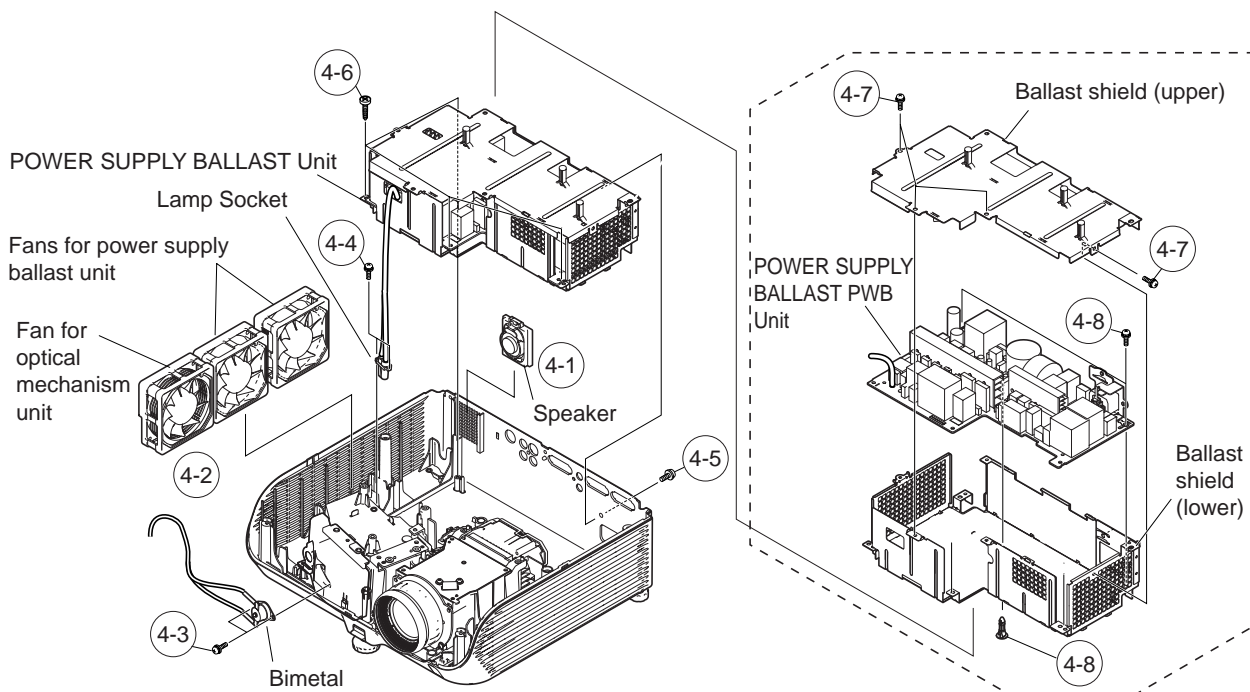
3. Removing the main PWB unit

- 3-1. Remove all connectors from the main PWB unit.
- 3-2. Remove 2 terminal fixing screws.
- 3-3. Remove 3 main PWB fixing screws to detach the main PWB unit.



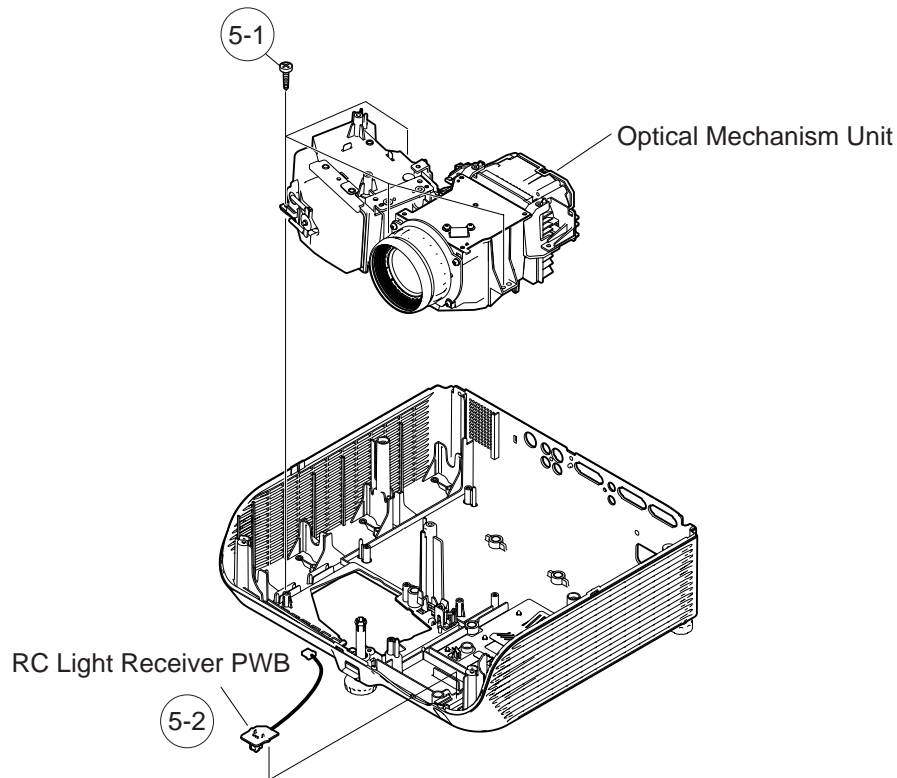
4. Removing the speaker, fan, and power supply ballast unit

- 4-1. Remove the speaker.
- 4-2. Remove 2 fans for the power supply ballast unit and 1 fan for the optical mechanism unit.
- 4-3. Remove 2 bimetal fixing screws to detach the bimetal.
- 4-4. Remove 2 lamp socket fixing screws to detach the lamp socket.
- 4-5. Remove 1 inlet fixing screw.
- 4-6. Remove 4 ballast unit fixing screws to detach the power supply ballast unit.
- 4-7. Remove 4 ballast shield (upper) fixing screws to detach the ballast shield (upper).
- 4-8. Remove 2 ballast PWB fixing screws and 1 clip to detach the power supply PWB unit from the ballast shield (lower).



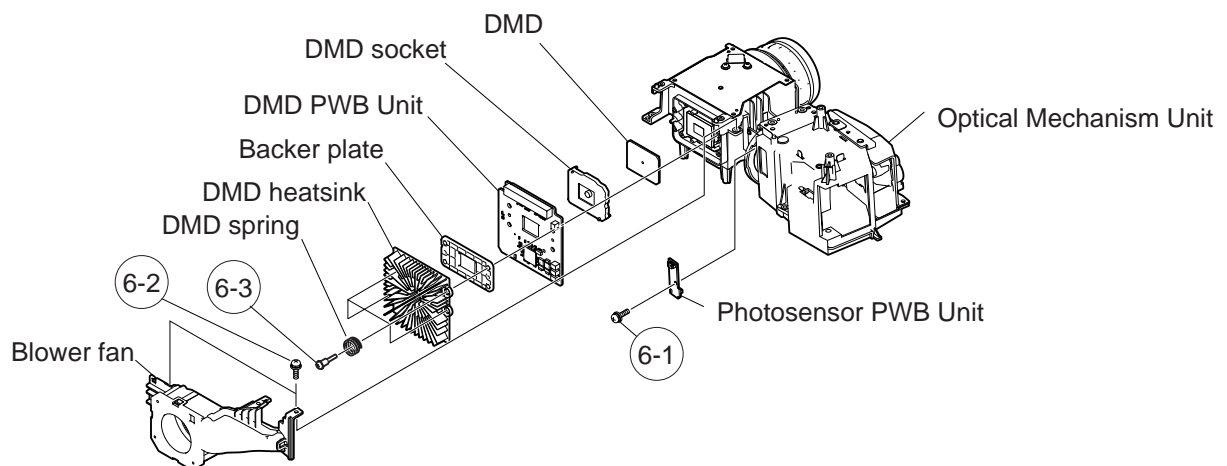
5. Removing the optical mechanism unit and RC light receiver PWB

- 5-1. Remove 4 optical mechanism unit fixing screws to detach the optical mechanism unit.
 5-2. Remove the RC light receiver PWB unit.



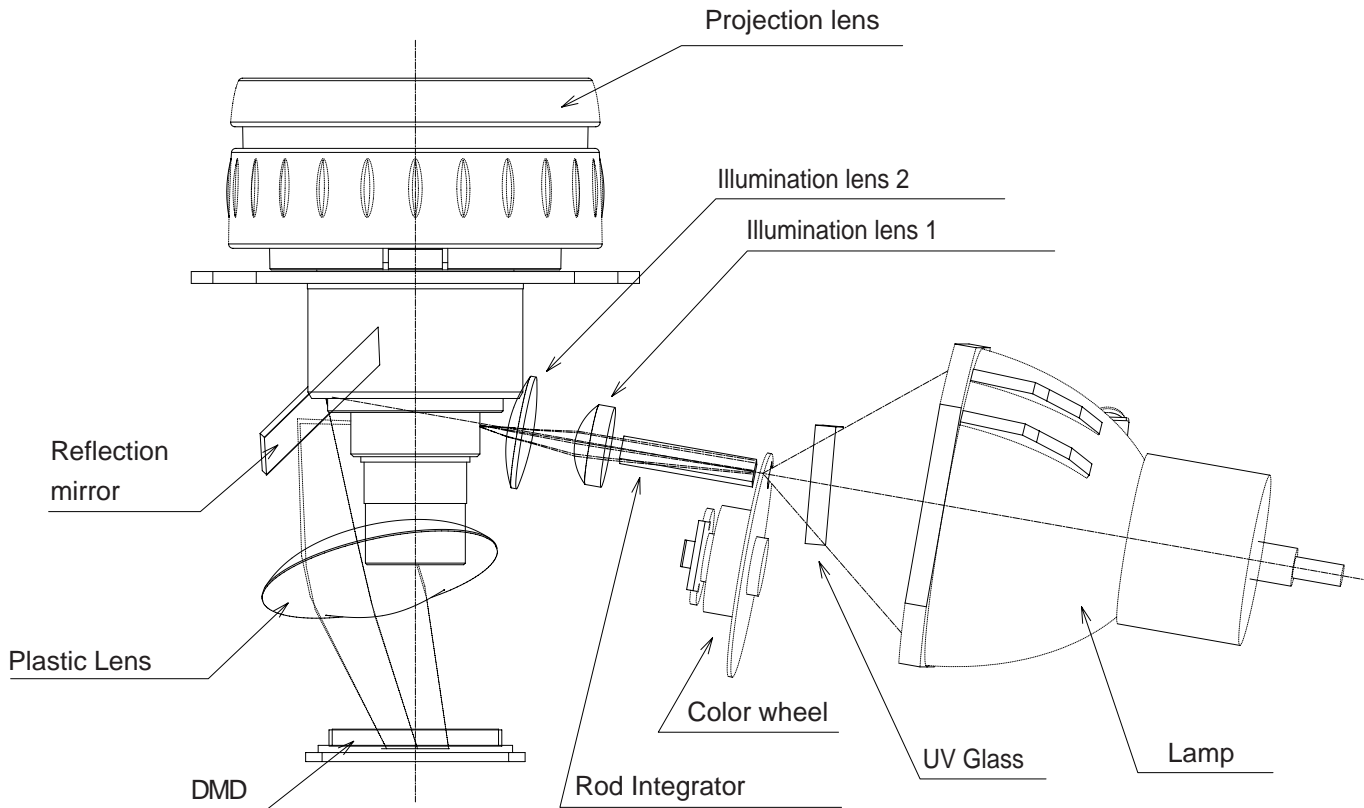
6. Removing the photosensor PWB unit, blower fan, DMD PWB, and DMD

- 6-1. Remove 1 photosensor PWB fixing screw to detach the photosensor PWB.
 6-2. Remove 2 blower fan fixing screws to detach the blower fan.
 6-3. Remove 4 DMD heatsink fixing screws to detach the DMD PWB unit and the DMD.

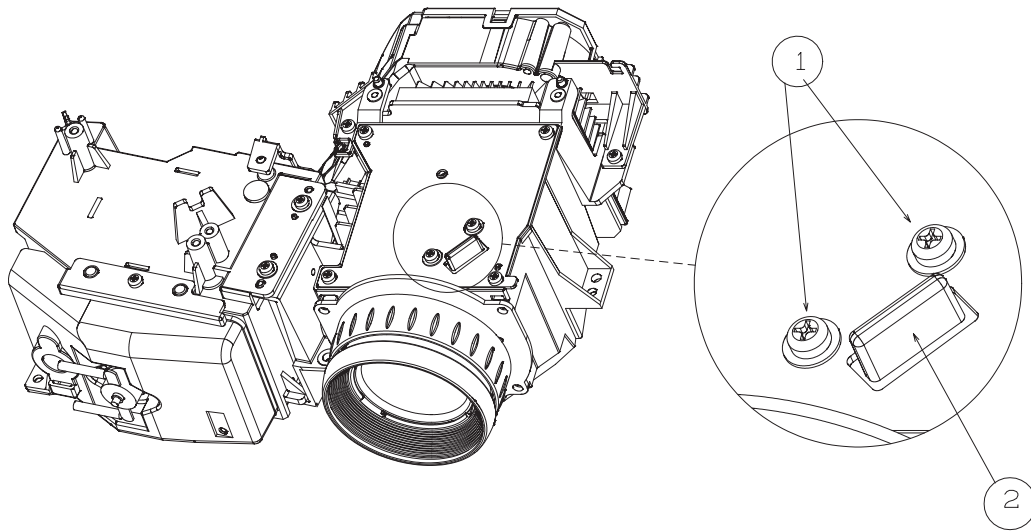


THE OPTICAL UNIT OUTLINE

Layout for proper setup of the optical components and parts (top view)
(Schematic diagram)

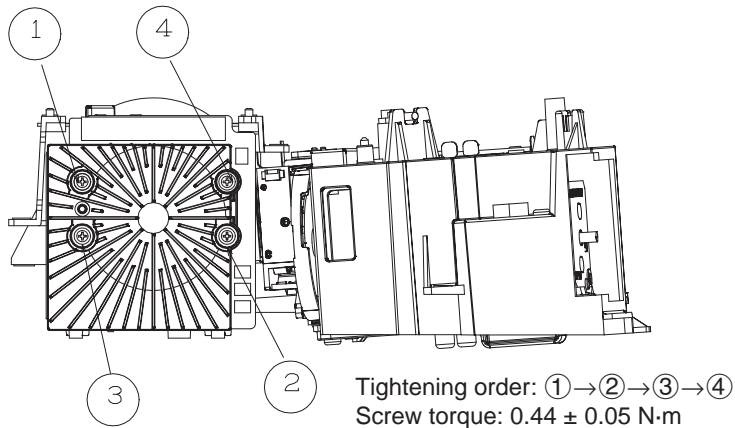


Item	Function
Lamp	Light source. DC high-pressure mercury lamp.
UV/IR cut filter (UV GLASS)	Filters out harmful UV and IR rays from the lamp.
Color wheel	Splits light from the light source into R, G, B and W through a color filter.
Rod (ROD INTEGRATOR)	Assures uniform light ray.
Illumination lens (ILLUMINATION LENS 1, 2)	Focus light from the rod on DMD.
Reflection mirror	Reflects light from the illumination lenses toward DMD.
Condencer Lens (PLASTIC LENS)	Condenses the light from the reflection mirror to the DMD and the pupil of the projection lens.
DMD	Turns the internal micromirror ON/OFF at the rate of color component of each dot of the input source to reflect light.
Projection lens	Enlarges light from DMD and projects it on a screen.



If shading shown in Figure 1 appears on the screen after replacing DMD, turn the adjustment screw of the optical engine to adjust the lighting area of DMD.

1. Loosen the adjustment lever fixing screw ①. After adjusting the lighting area with the adjustment lever ②, tighten the adjustment lever fixing screw ①.



When mounting DMD, tighten the 4 screws evenly.

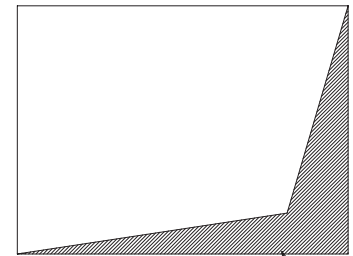


Fig. 1

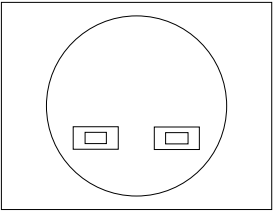
Shading

ELECTRICAL ADJUSTMENT

No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	EEPROM initialization	1. Turn on the power (with the lamp on) and warm up the set for 15 minutes.	<ul style="list-style-type: none"> Make the following settings. Press S2551 to call the process mode and execute "SS2" on SS menu.
2	Model setting	(Process menu) 1. Select the following group and subject. Group: CONFIRM Subject: MODEL	1. Set as below. : 1 (default)
3	Adjustment of CW index	1. Signal input: Send 256 STEP color bar. XGA series (XGA60HZ), SVGA series (SVGA60HZ) 2. Select the following group and subject. Group: ADJUST CW/Auto KS Subject: CW-INDEX.	1. Feed the signal to input 1. 2. Select the adjustment item and adjust the lamp gradation patterns of RGBW so that smooth patterns without noise appear. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> W <input style="width: 100px;" type="text"/> R <input style="width: 100px;" type="text"/> G <input style="width: 100px;" type="text"/> B <input style="width: 100px;" type="text"/> </div>
4	R/G/B contrast adjustment (manual or automatic)	1. Select the following group and subjects. Group : ADJUST AD/DLP Subject : R-CONT G-CONT B-CONT (Process GAMMA interlock) 2. Feed white signal with the amplitude level of 96% (0.67Vpp). XGA series (XGA60HZ), SVGA series (SVGA60HZ)	1. Measure chromaticity of the 96% white wind pattern using CA100. 2. On the screen where bit dropouts occur, raise the values of R/G/B-Contrast. Adjust the values so that bright red, green, and blue bit dropouts appear on a black background; and amounts of change in x value of R and y values of G/B become 100/1000 or more. 3. If adjustment is performed manually watching the screen, make adjustment so that bright red, green, and blue bit dropouts appear on more than half of the screen.
5	RGB white balance adjustment	1. Feed the 50% gray signal. XGA series (XGA60HZ), SVGA series (SVGA60HZ) 2. Select the following group and subjects. Group : ADJUST AD/DLP Subject : R-GAIN G-GAIN B-GAIN	1. Raise the values of two of R/G/B-GAIN (default: 100) so that the following chromaticity values are obtained using CL200. x value: 300 ± 5 y value: 320 ± 5
6	sRGB white balance adjustment	1. Feed the 50% gray signal. XGA series (XGA60HZ), SVGA series (SVGA60HZ) 2. Select the following group and subjects. Group : CONFIRM/DLP Subject : S-G-OS S-B-OS	1. Adjust S-G-OS and S-B-OS so that the following chromaticity values are obtained using CL200. x value: 313 ± 5 y value: 329 ± 5

Check items

No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	Adjustment of RGB brightness	1. Select the following group and subjects. Group : CONFIRM/AD Subject : R-BRIGHT G-BRIGHT B-BRIGHT (Process GAMMA interlock)	1. Check the fixed value. Fixed value : 127
2	Adjustment of Component offset	1. Feed 10-step signal with 480P component 100% amplitude. 2. Select the following group and subjects. Group : CONFIRM/AD Subject : C-R-OS C-B-OS (Process GAMMA interlock)	1. Check the fixed value. C-R-OS : 260 C-B-OS : 260
3	Adjustment of DLP Brightness	1. Select the following group and subject. Group : CONFIRM/DLP Subject : R-BLK G-BLK B-BLK (Process GAMMA interlock)	1. Check the fixed value. Fixed value : 256
4	Video Contrast adjustment	1. Feed NTSC 100% wind pattern signal. (Signal with burst) 2. Select the following group and subjects. Group : CONFIRM/VIDEO Subject : V-CONT	1. Check the fixed value. Fixed value : 124
5	Adjustment of Video Brightness	1. Feed NTSC 100% wind pattern signal. (Signal with burst) 2. Select the following group and subject. Group : CONFIRM/VIDEO Subject : V-BRIGHT	1. Check the fixed value. Fixed value : 68

No.	Adjusting point	Adjusting conditions	Adjusting procedure
6	Adjustment of Video Tint	1. Feed split color bar. 2. Select the following group and subject. Group : CONFIRM/VIDEO Subject : V-HUE	1. Check the fixed value. Fixed value : 128
7	Adjustment of Video color saturation	1. Select the following group and subject. Group : CONFIRM/VIDEO Subject : V-COLOR	1. Check the fixed value. Fixed value : 154
8	RGB tone reproduction adjustment	1. Feed the SMPTE pattern signal.	1. Make sure the 100% and 95% white as well as the 0% and 5% black gradations are visible. 
9	VIDEO white balance adjustment	1. Feed the 50% gray signal. 2. Select the following group and subjects. Group : CONFIRM/VIDEO Subject : V-R-OS V-B-OS	1. V-R-OS is 132. V-B-OS is 132.
10	White balance checking and readjustment	1. RGB Input sRGB Input VIDEO Input DTV Input DVD Input	Check that there is no deviation of white balance with the monitor.
11	Off-timer performance	1. Select the following group and subjects. Group : CONFIRM/CHECK Subject : TEMP-OFF	1. Select OFF from the process mode. Make sure the off-timer starts with 5 minutes onscreen and count one minute in one second. And then indication is 0 minute, the power supply of the set is cut off.
12	Thermistor performance checking	1. Heat the thermistor with a hair dryer.	1. Make sure that the temperature is indicated.
13	Auto sync performance checking	1. Feed the phase check pattern signal.	1. In the VGA, SVGA, XGA and SXGA modes, make sure the Clock, Phase, H-Pos and V-Pos settings can be automatically adjusted.
14	Monitor out check	1. Send signals to INPUT 1 and INPUT 2. 2. Connect another monitor to the monitor out. 3. Connect the audio OUT.	1. Check that the same images as seen on the screen appear on the connected monitor and that the sound from the sound source connected to the audio OUT is heard.

No.	Adjusting point	Adjusting conditions	Adjusting procedure												
15	RS232C operation check	1. Connect the unit and a PC with the RS232C cable.	1. Send a command from the PC, and check it functions correctly.												
16	Model name and version check	1. Select the following group. Group : INFO/VERSION.	1. The model name appears in the MODEL field, and the firmware version in the VERSION field. Check that they are correct.												
17	Delivery settings		<div>1. Make the following settings.</div> <table><tr><td>Destination</td><td>Process adjustment</td><td>Remote control adjustment</td></tr><tr><td>USA</td><td>SS4</td><td>Factory setting at 4</td></tr><tr><td>China</td><td>SS6</td><td>Factory setting at 6</td></tr><tr><td>Others</td><td>SS3</td><td>Factory setting at 3</td></tr></table>	Destination	Process adjustment	Remote control adjustment	USA	SS4	Factory setting at 4	China	SS6	Factory setting at 6	Others	SS3	Factory setting at 3
Destination	Process adjustment	Remote control adjustment													
USA	SS4	Factory setting at 4													
China	SS6	Factory setting at 6													
Others	SS3	Factory setting at 3													

* Writing a software program (before main PWB is mounted)

Use the DLP Composer Lite Ver. 4.2 or higher to download the firmware.

After writing the specified version of firmware to the PWB using the RS232C cable, check the version of the written firmware.

If no software program is written, all three LEDs light up in the chassis inspection process.

1. Calling and quitting the process mode with the control keys on this model.

* Although it is possible for the process OUT to exit using the process menu, the IN/OUT toggle command is also available considering the existing specification.

1-1. Calling and quitting

With the menu not displayed, press the "ENTER", "ENTER", "VOL+", "VOL-", "ENTER", "ENTER" and "MENU" keys on the remote control (one for C50/45 or P25/20 system is also usable) or on the main unit.

1-2. Others

Press the S2551 process key (toggle) on the main PWB to call and quit the process menu.

Note: When adjusting in the process mode, set a signal with a vertical frequency of 60 Hz or no signal. (May not be properly adjusted with other signals.)

2. Resetting the lamp timer for this model

2-1. Resetting procedure

In Stand-by, run this command to clear the operating time of the lamp to 0 and turn on the power.

Press and hold "▼", "ENTER", and "MENU", and then press the "STANDBY/ON" key of the set.

3. Forced disabling of the System-Lock of this model

3-1. Disabling procedure

With System-Lock input window onscreen, press the "MENU", "ENTER", "ENTER", "MENU", "ENTER", "ENTER" and "MENU" keys, in this order, on the remote controller.

● Adjustment mode process menu

1st Layer	2nd Layer		Default	1st Layer	2nd Layer		Default
ADJUST	CW/Auto KS	CW-INDEX	20	INFO	VERSION	MODEL	-
		CAL				VER.	-
		K-SENS	(0)		PATTERN	RGB	1
	AD/DLP	R-CONT	110			RGB50	1
		G-CONT	110			CORSS	1
		B-CONT	110			STEP	1
		R-GAIN	100			COLOR	1
		G-GAIN	100			CHR	1
		B-GAIN	100		LAMP	CURRENT	0
	SS	SS1	-			HISTORY1	0
		SS2	-			HISTORY2	0
		SS3	-			HISTORY3	0
		SS4	-			HISTORY4	0
		SS5	-			TOTAL	0
		SS6	-		TEMP/FAN	TEMP1	-
CONFIRM	AD	R-BRIGHT	127			TEMP2	-
		G-BRIGHT	127			FAN0	3
		B-BRIGHT	127			FAN1	3
		C-R-OS	260			FAN2	3
		C-B-OS	260	OTHER	232C	232C-MODE	0
	DLP	R-BLK	256		EXIT		
		G-BLK	256				
		B-BLK	256				
		S-R-OS	128				
		S-G-OS	128				
		S-B-OS	128				
	VIDEO	V-CONT	124				
		V-BRIGHT	68				
		V-COLOR	154				
		V-HUE	128				
		V-R-OS	132				
		V-G-OS	128				
		V-B-OS	132				
		OFFSET-MODE	0				
		OFFSET-CONT	0				
		OFFSET-BRI	0				
	MODEL	MODEL-SELECT	1				
	CHECK	LED-CHK	0				
		TEMP-OFF	-				

[Adjustment of ballast unit output power (lamp power)]

1. List of parts requiring adjustment

When replacing the following parts, adjust the ballast unit output power (lamp power).

	Part name	Ref No.	Part code
1	Cement resistor	R905	RR-FZA002WJZZ
2	Control PWB	--	DUNTKD148WEF0
3	Ballast microprocessor	IC7707	RH-iXB458WJZZ
4	5V regulator	IC7704	VHITA78L05F-1Y
5	PWM controller	IC7701	VHIM51995AF-1Y

2. Adjustment jigs

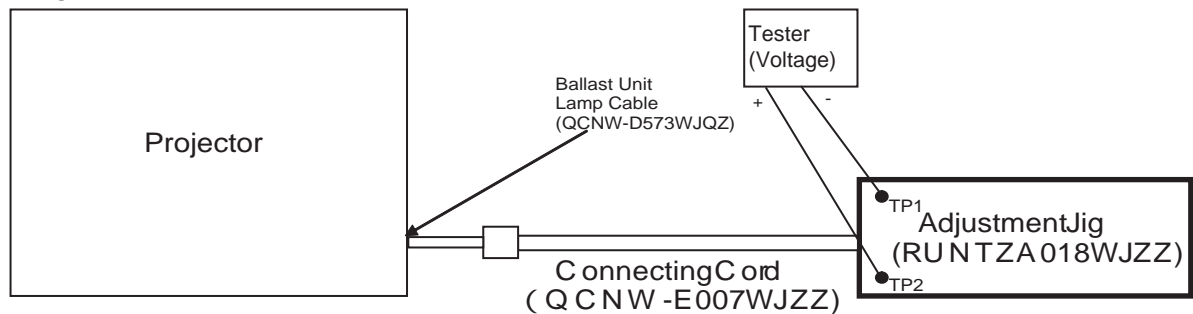
The following jigs are required for adjusting the ballast unit output power (lamp power).

	Part name	Part code	Manufacturer
1	Adjustment jig (resistance load 25)	RUNTZA018WJZZ	Asahi Communication
2	Connecting cord (conversion cable)	QCNW-E007WJZZ	SMK

3. Ballast unit output power (lamp power) adjustment method

Adjust the ballast unit output power (lamp power) in the following method.

[Setting method]



[Adjustment method]

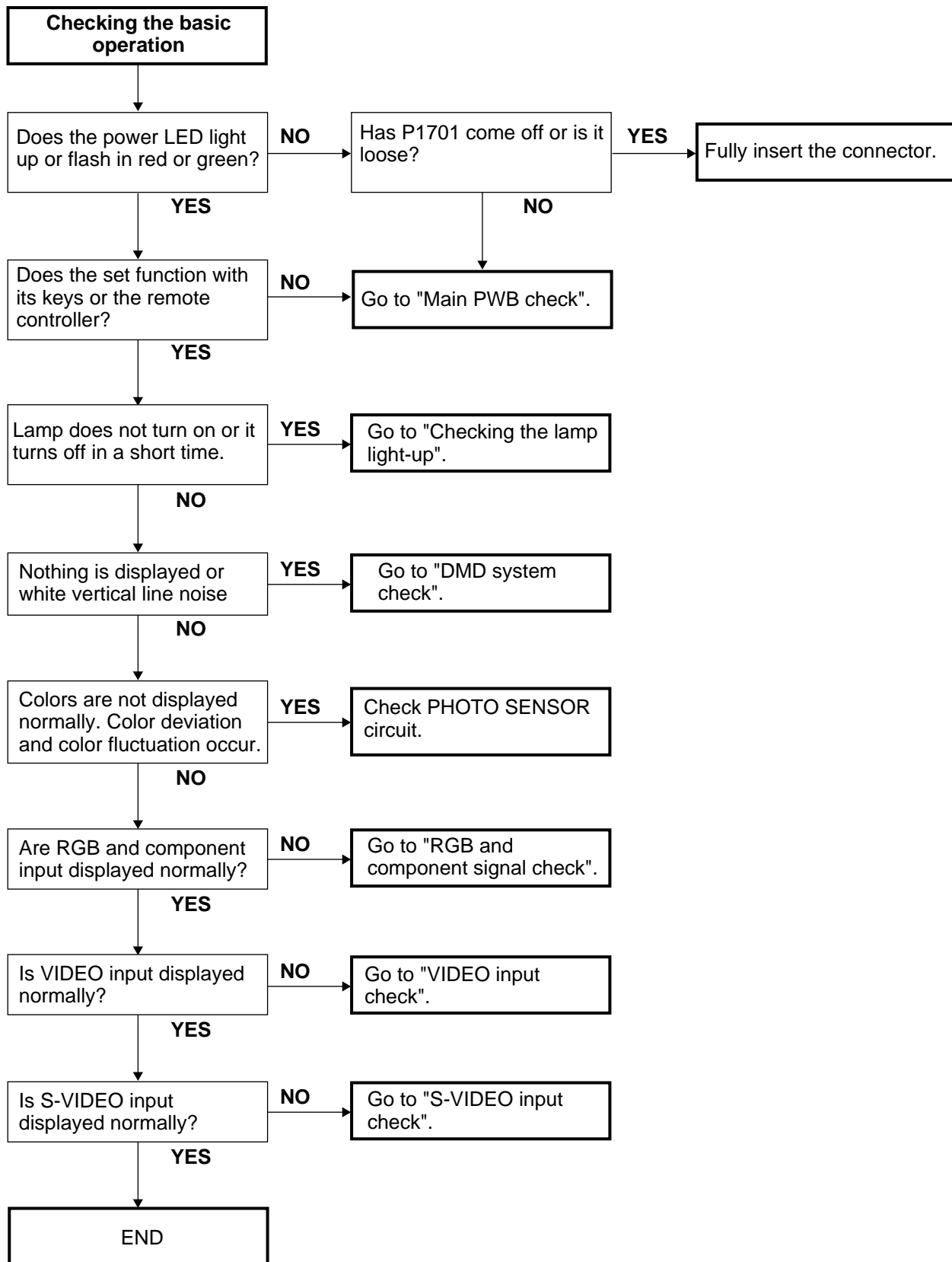
- (1) Unplug the ballast unit lamp cable(QCNW-D573WJQZ) of the projector from the lamp and connect the cable to the connecting cord (QCNW-E007WJZZ).
- (2) Connect the connecting cord (QCNW-E007WJZZ) to the adjustment jig (RUNTZA018WJZZ).
- (3) Connect TP1 of the adjustment jig (RUNTZA018WJZZ) to the negative terminal of the tester and TP2 to the positive terminal.
- (4) Turn on the projector.
- (5) Age the projector for 60 seconds or more.
- (6) Adjust the volume resistor (R7728) of the ballast control PWB (DUNTKD148WEF0) so that the voltage of the tester reaches 83 ± 0.5 V.

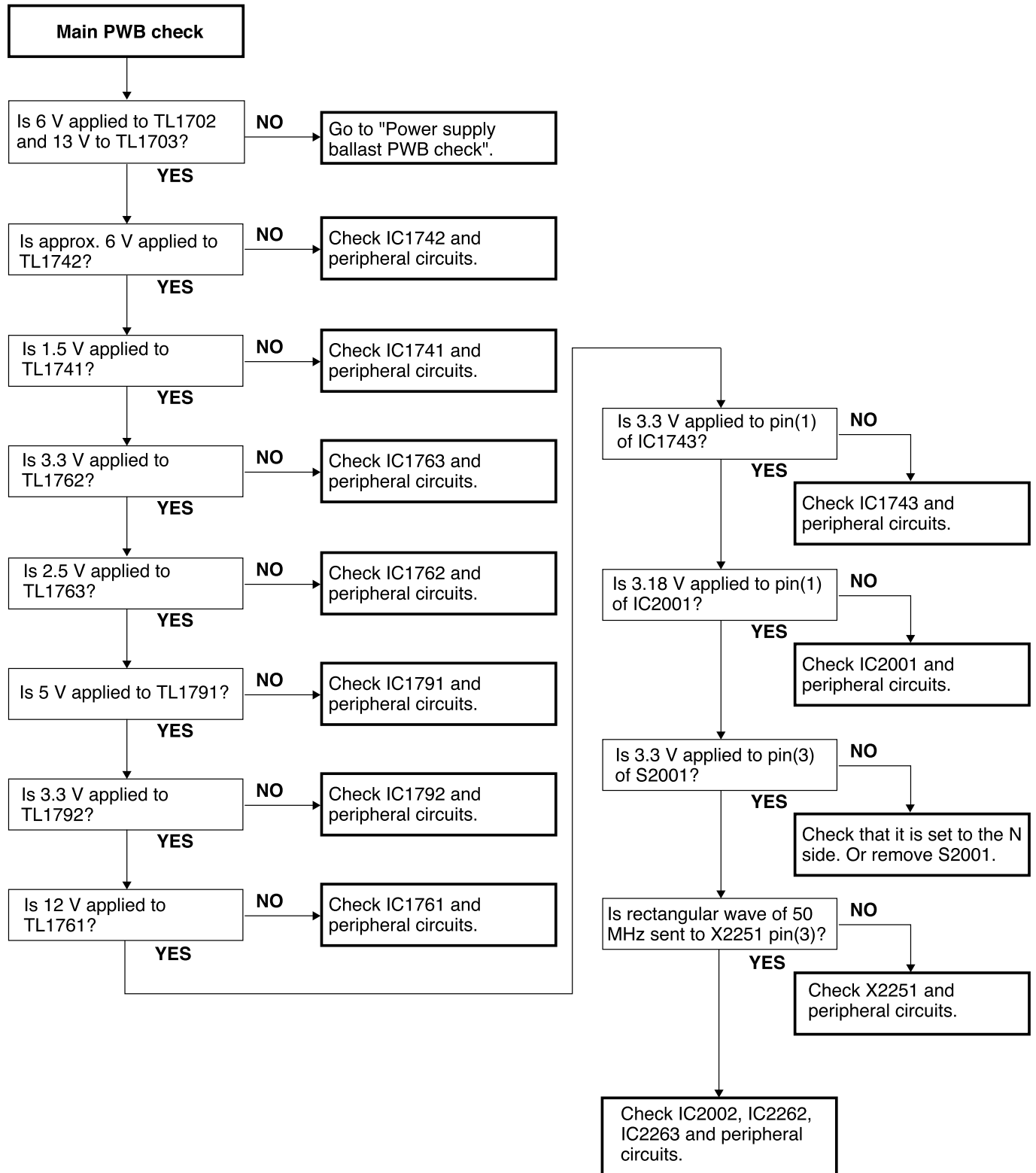
Adjustment value: 83 ± 0.5 V

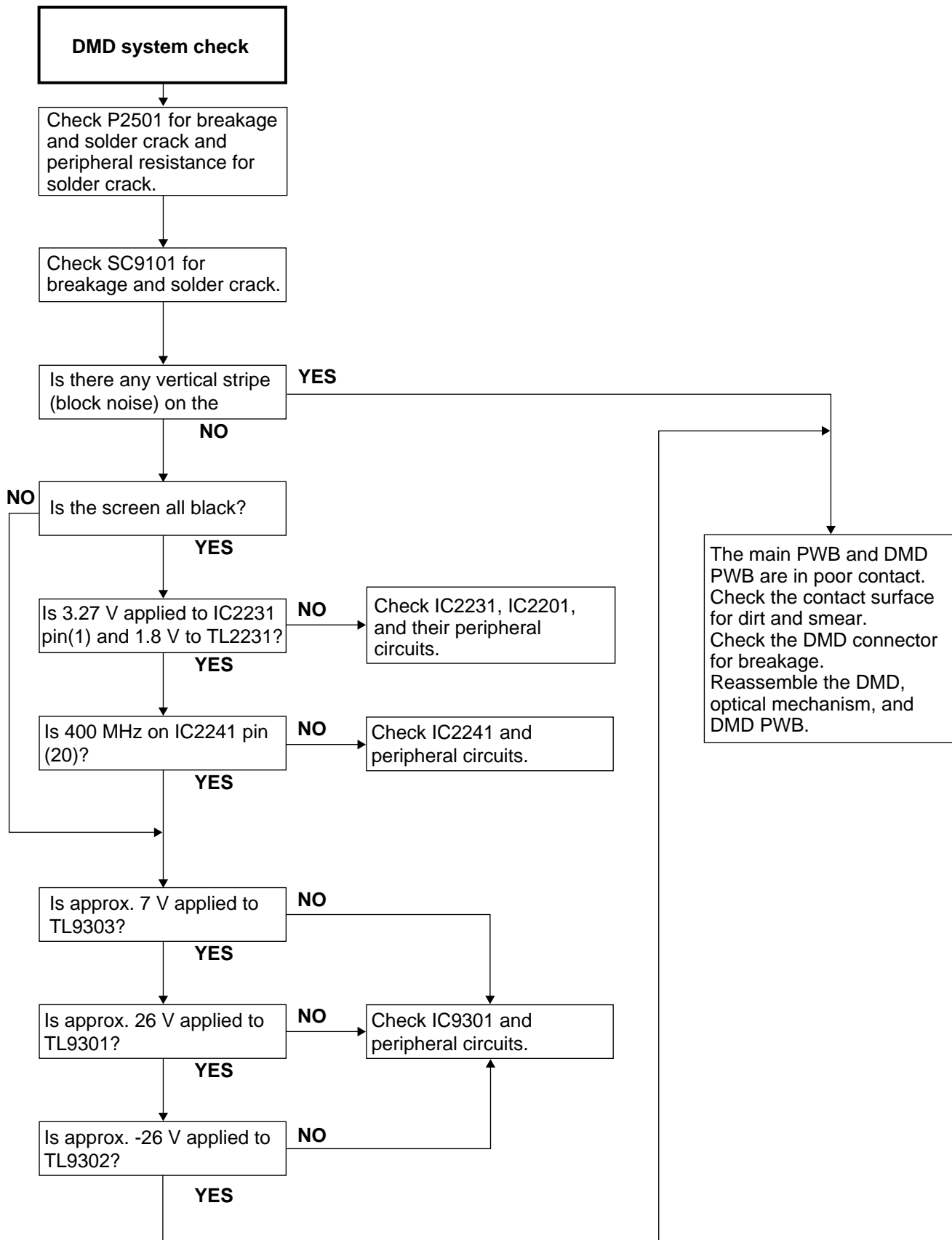
[Cautions]

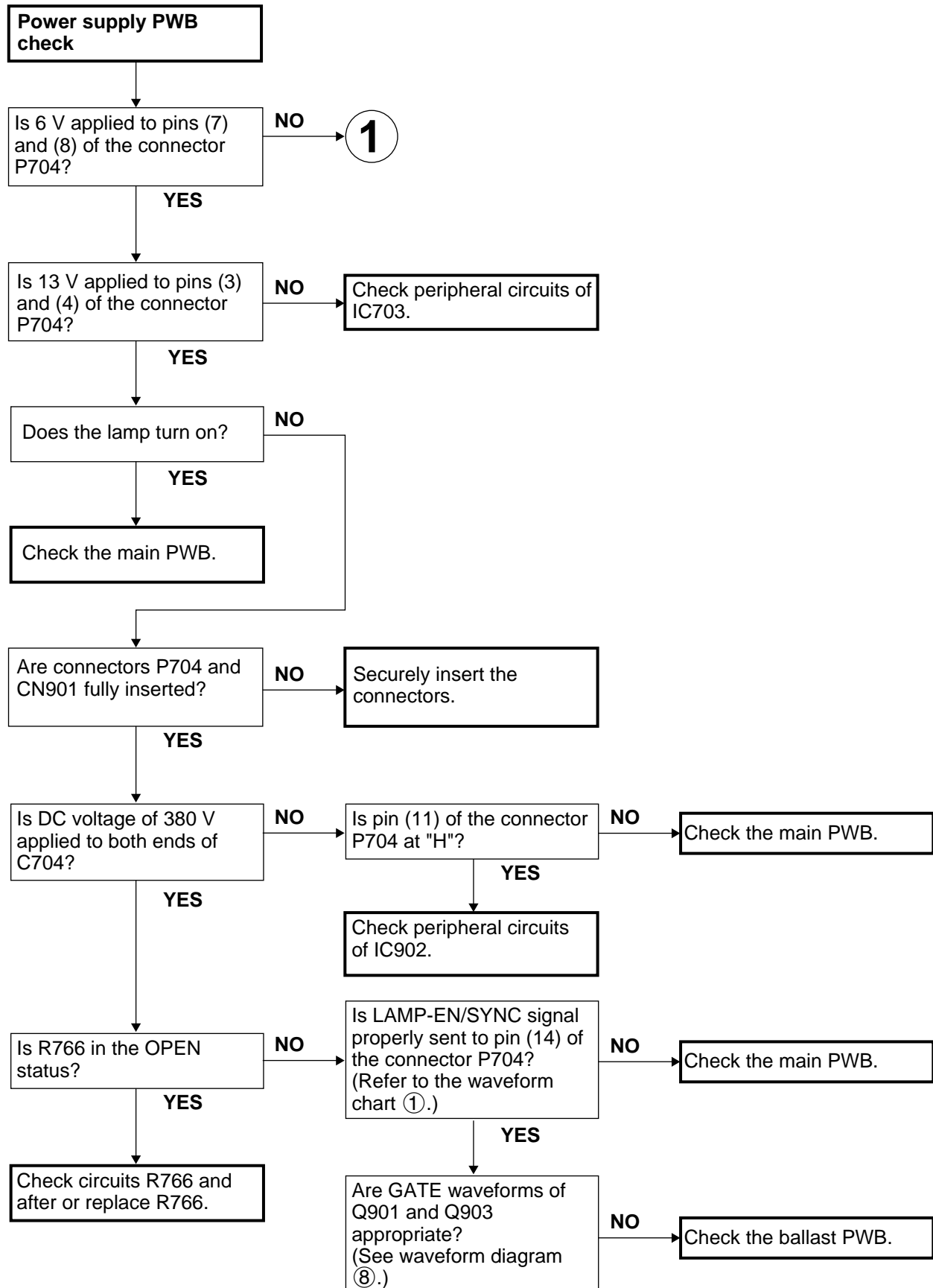
- (1) Caution for electric shock: Do not touch the test points TP1 and TP2 of the adjustment jig when supplying power since a high voltage and large current is applied to them.
- (2) Caution for heat: Be careful that the resistance load of the adjustment jig produces a high temperature when supplying power.
- (3) Connection of the lamp cable: Check that the lamp cable and connecting cord (QCNW-E007WJZZ) are connected securely.
Poor connection may cause smoking or ignition due to arc discharge.

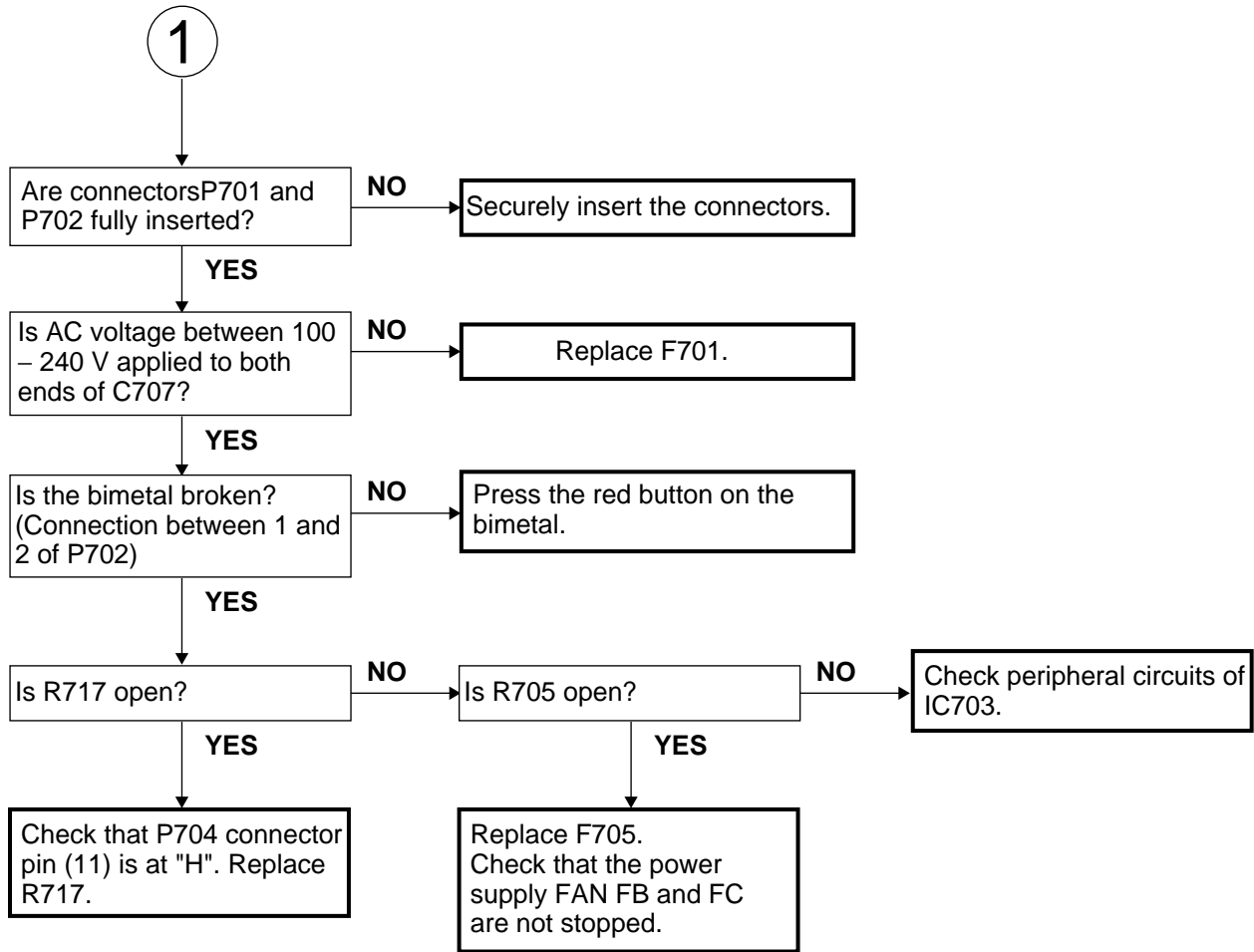
TROUBLE SHOOTING TABLE

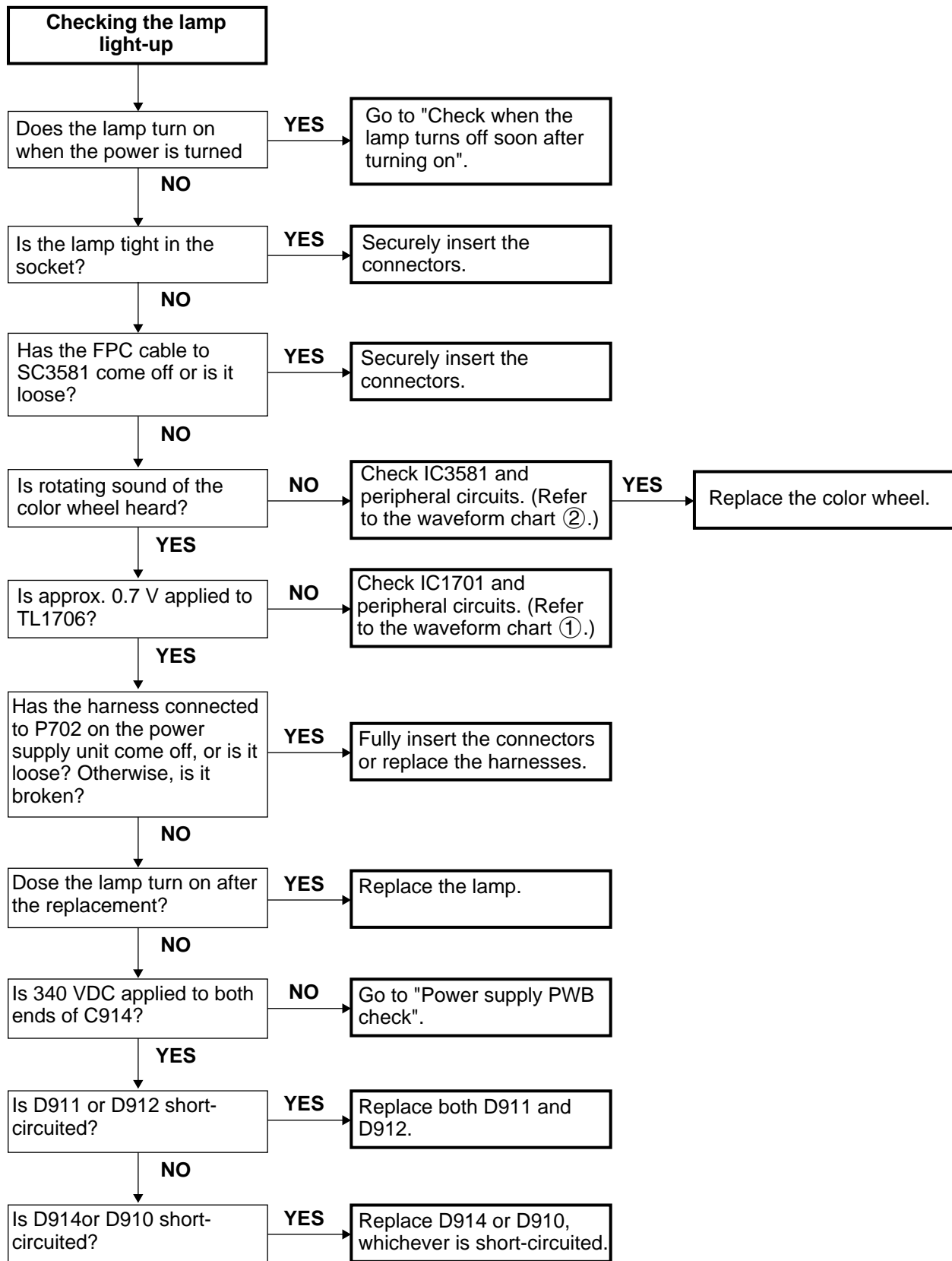


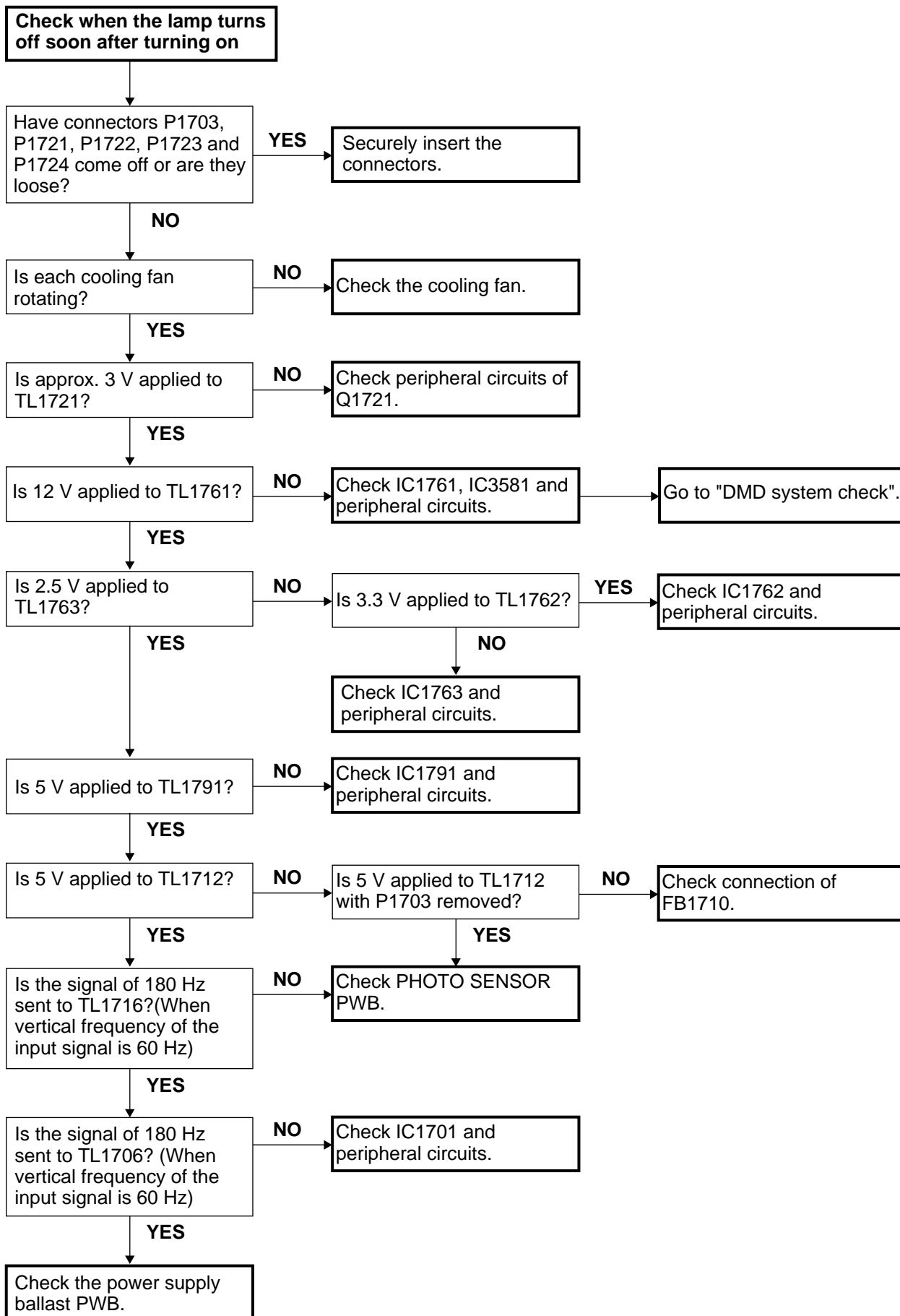


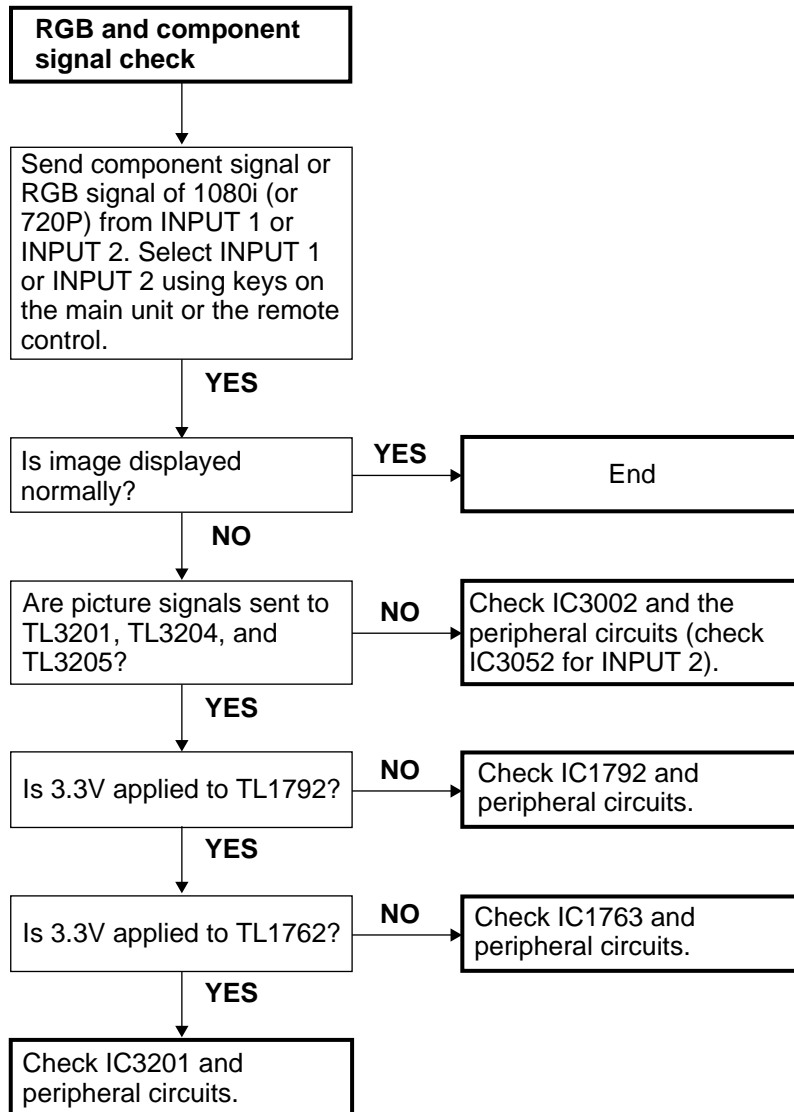


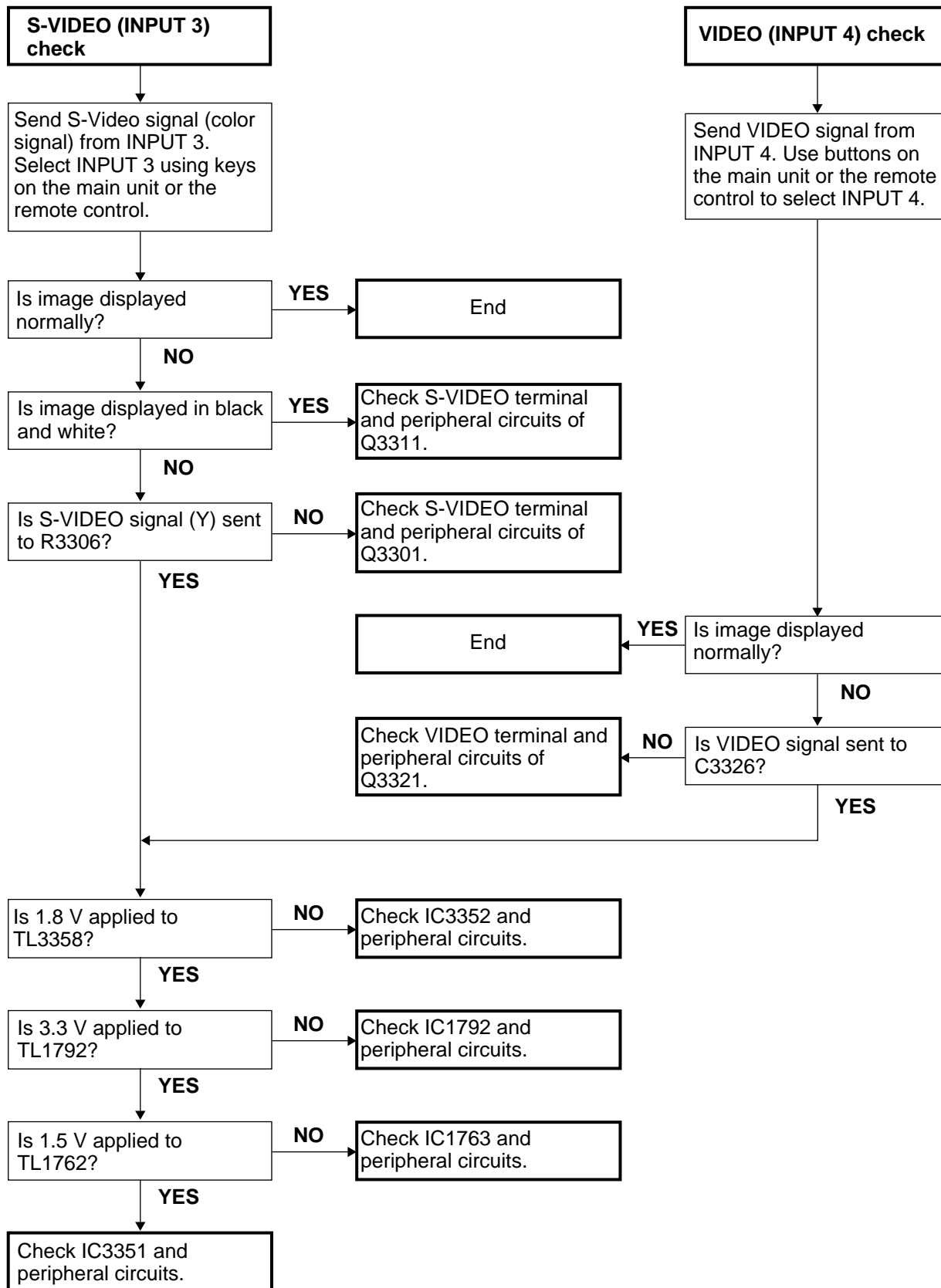






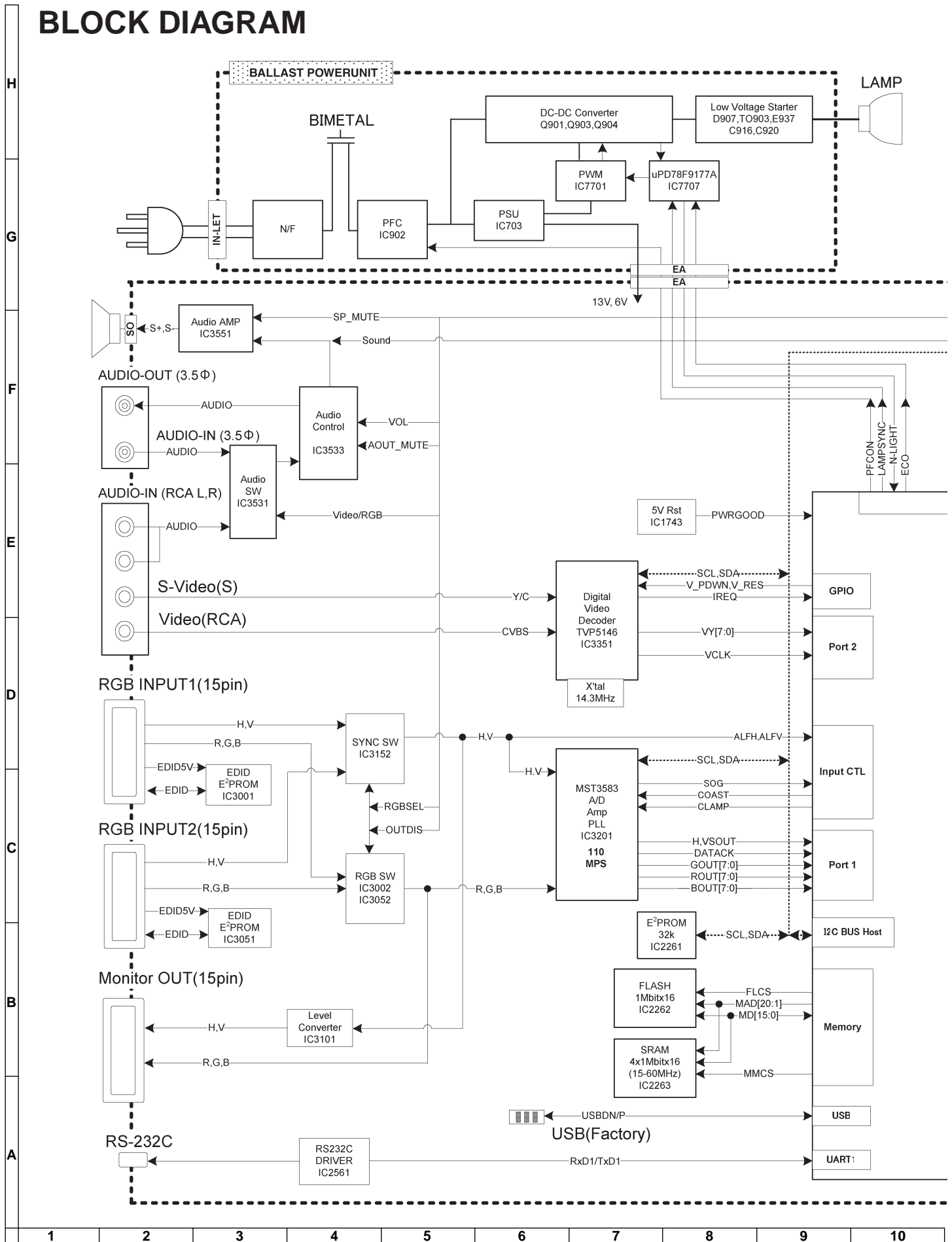


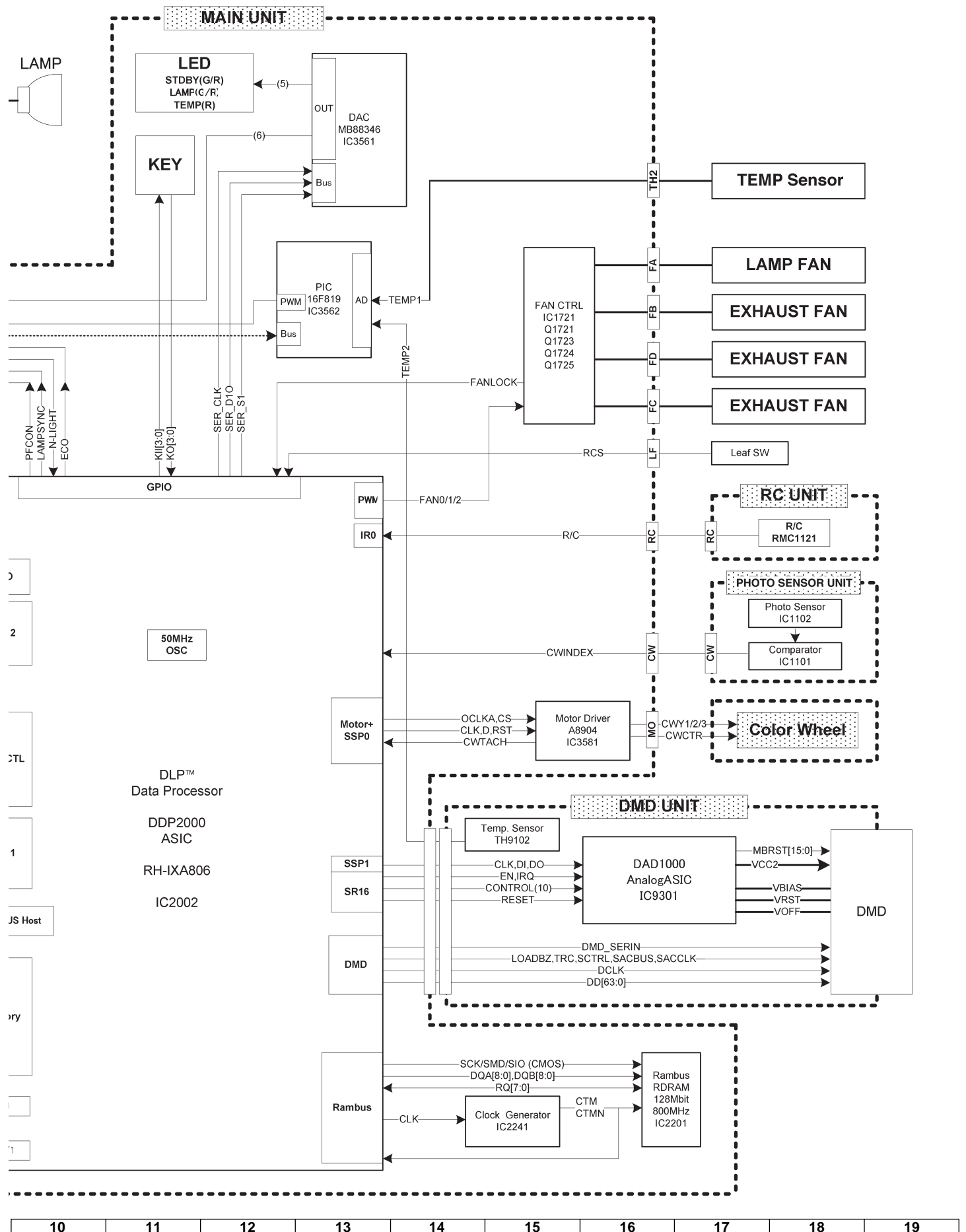




[illegible]

BLOCK DIAGRAM





OVERALL WIRING DIAGRAM

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G

F

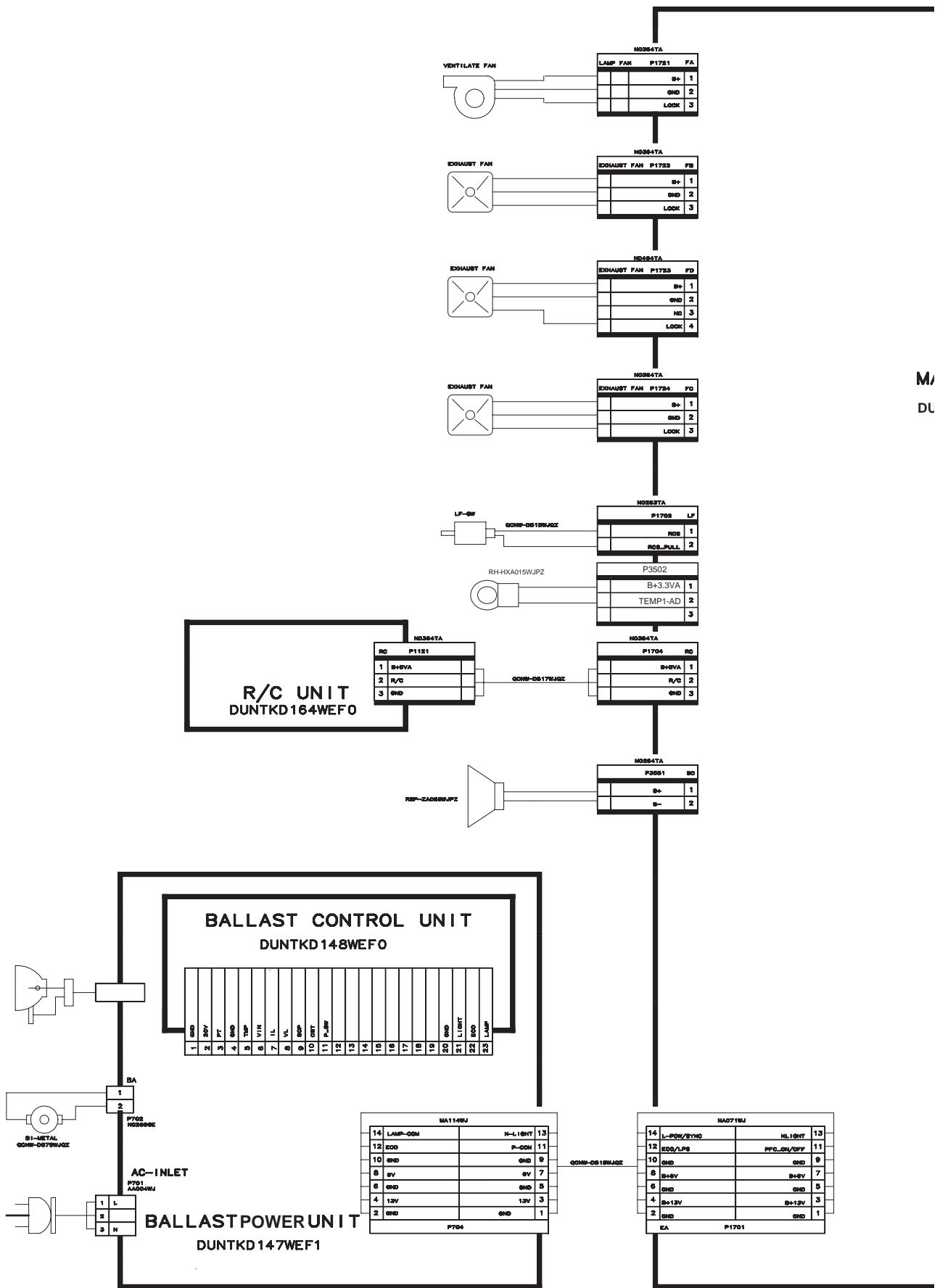
E

D

C

B

A



M/
DL

MAIN UNIT
DUNTKD139FMF7

DMD UNIT
DUNTKD140WEF0

DMD

139	END			END	140
137	DD33			LOADB_L1	138
136	DD37			DD38	136
134	END			DD34	134
131	DD38			DD38	138
129	DD41			END	130
127	DD38			DD38	138
125	DD68			DD44	138
123	END			DD40	134
121	DD68			DD44	138
119	DD48			END	130
117	DD64			DD48	118
116	DD68			DD68	118
113	END			DD68	114
111	DD81			DD68	118
109	DD63			END	110
107	DD63			DD68	108
106	DD68			DD67	106
103	END			DD81	104
101	DD48			DD48	103
99	DD47			END	100
97	SACBUS			DMOEN	98
95	SADOLK			DD43	96
93	END			END	94
91	S+12VDD			END	92
89	S+12VDD			END	90
87	S+12VDD			END	88
85	S+12VDD			END	86
83	END			END	84
81	S+3.3VDD			END	82
79	S+3.3VDD			END	80
77	S+3.3VDD			END	78
75	S+3.3VA			END	76
73	TEMP0_A0			END	74
71	END			END	72
69	BIHSEL1			END	70
67	BIHSEL0			END	68
65	EXT_LABTZ			DADSELZ	66
63	END			END	64
61	SCP_D0			DADINTZ	62
59	SCP_CLK			SCP_D1	60
57	BR16ADDE1			BR16SEL1	58
55	BR16ADDE0			BR16SEL0	56
53	END			END	54
51	BR16DEZ			BR16STROM	52
49	BR16ADDR3			BR16ADDR1	50
47	BR16ADDR2			BR16ADDR0	48
45	END			CTRL_L	46
43	DD81			DD18	44
41	TR0_L			END	42
39	DD13			DD16	40
37	DD8			DD17	38
35	END			DD11	36
33	DD8			DD3	34
31	DD7			END	32
29	DD1			DD8	30
27	DD8			DD0	28
25	END			DD4	26
23	DD18			DD6	24
21	DD10			END	22
19	DD18			DD53	20
17	DD28			DD12	18
15	END			DD54	16
13	DD27			DD50	14
11	DD14			END	12
9	DD58			DD56	10
7	DD28			DD58	8
5	END			DD30	6
3	DD1_L			DD31	4
1	END			END	2

D0383TA			
GW	P1703		
1	S+3.3VDD		
2	GWINDEX		
3	END		

COMM-DSUB/AVE

D0383TA			
P1101	GW		
S+3.3VDD	1		
GWINDEX	2		
END	3		

PHOTO
SENSOR UNIT
DUNTKD141WEF0

WAD006J			
MD	D03881		
1	CRY1		
2	CRY2		
3	CRY3		
4	CMOTR		

COLOR WHEEL

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 220V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 220V. Signals are fed by a color bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted.
(K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted.
(J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/10W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
 ©: Solid Ⓢ: Cement
 Ⓞ: Oxide Film Ⓣ: Special
 Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted.
(P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
 (ML): Mylar (TA): Tantalum
 (PF): Polypro Film (ST): Styrol

CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

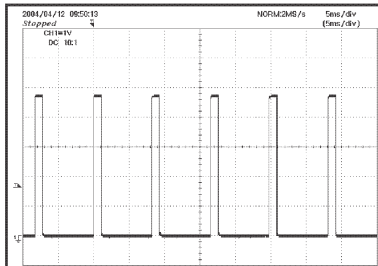
SAFETY NOTES:

- 1.DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
- 2.SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

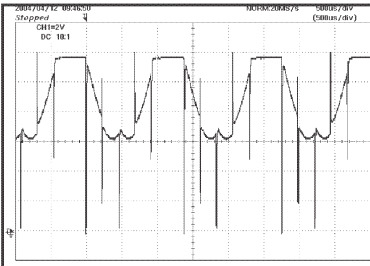
IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

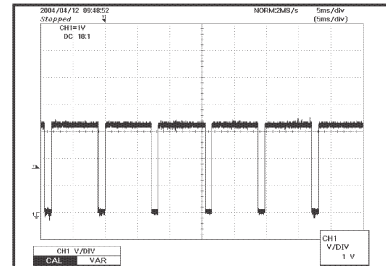
WAVEFORMS



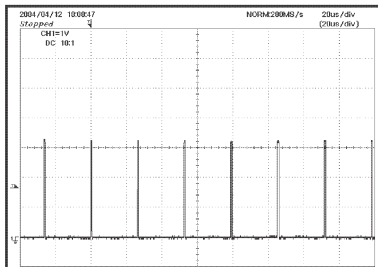
① TL1706
MAIN(8/8) L-POW/SYNC
H:5msec/div
V:1V/div



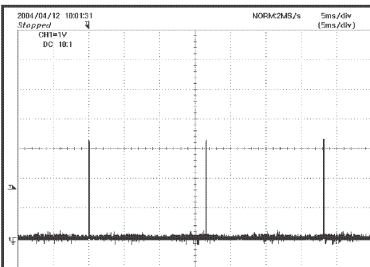
② TL3584
MAIN(5/8) CWY1
H:500μsec/div
V:2V/div



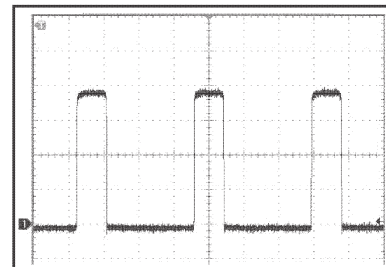
③ TL1716
MAIN(8/8) CWINDEX
H:5msec/div
V:1V/div



⑥ IC3201(69)
MAIN(1/8) GHS
H:20μsec/div
V:1V/div



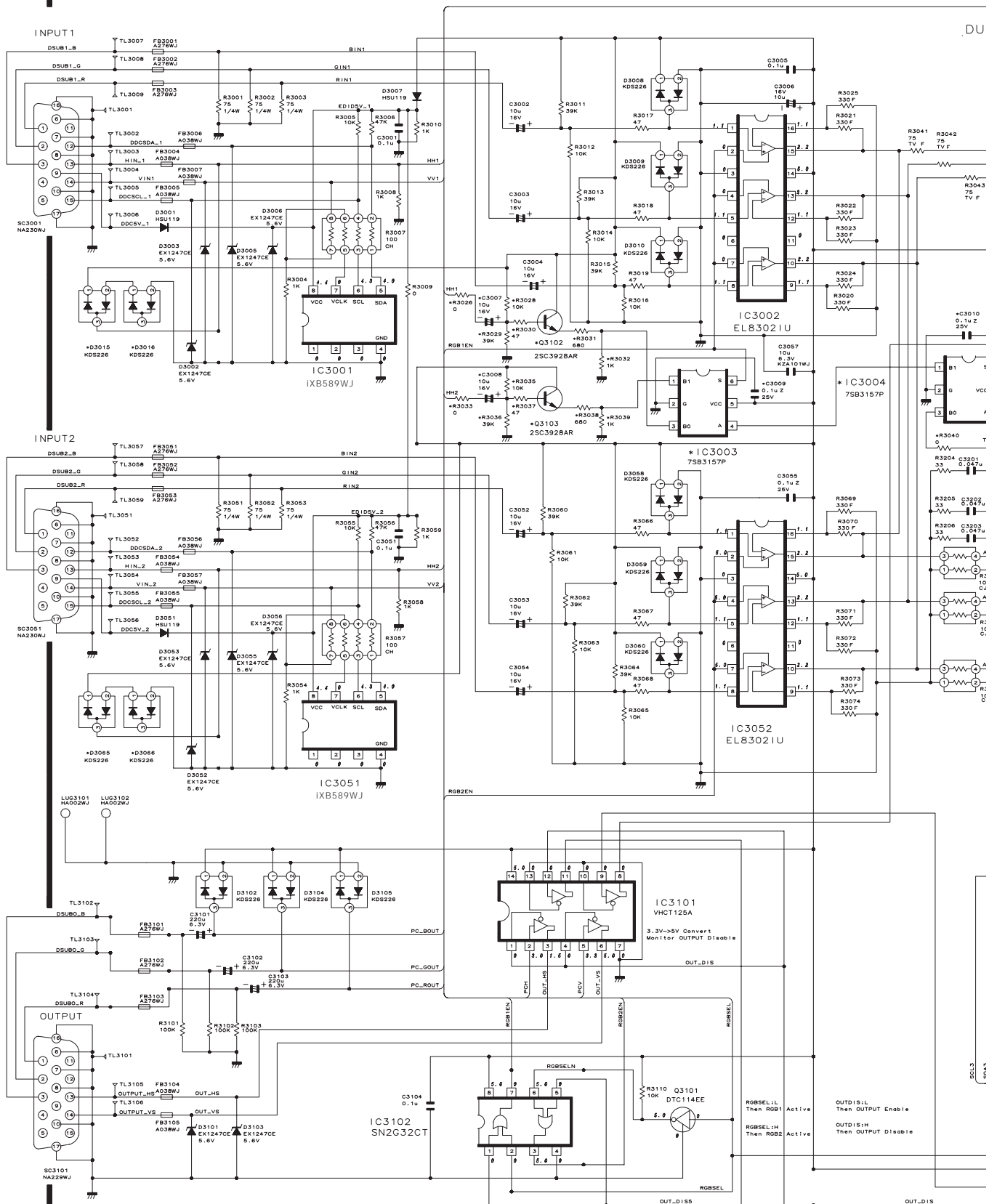
⑦ IC3201(70)
MAIN(1/8) GVS
H:5msec/div
V:1V/div

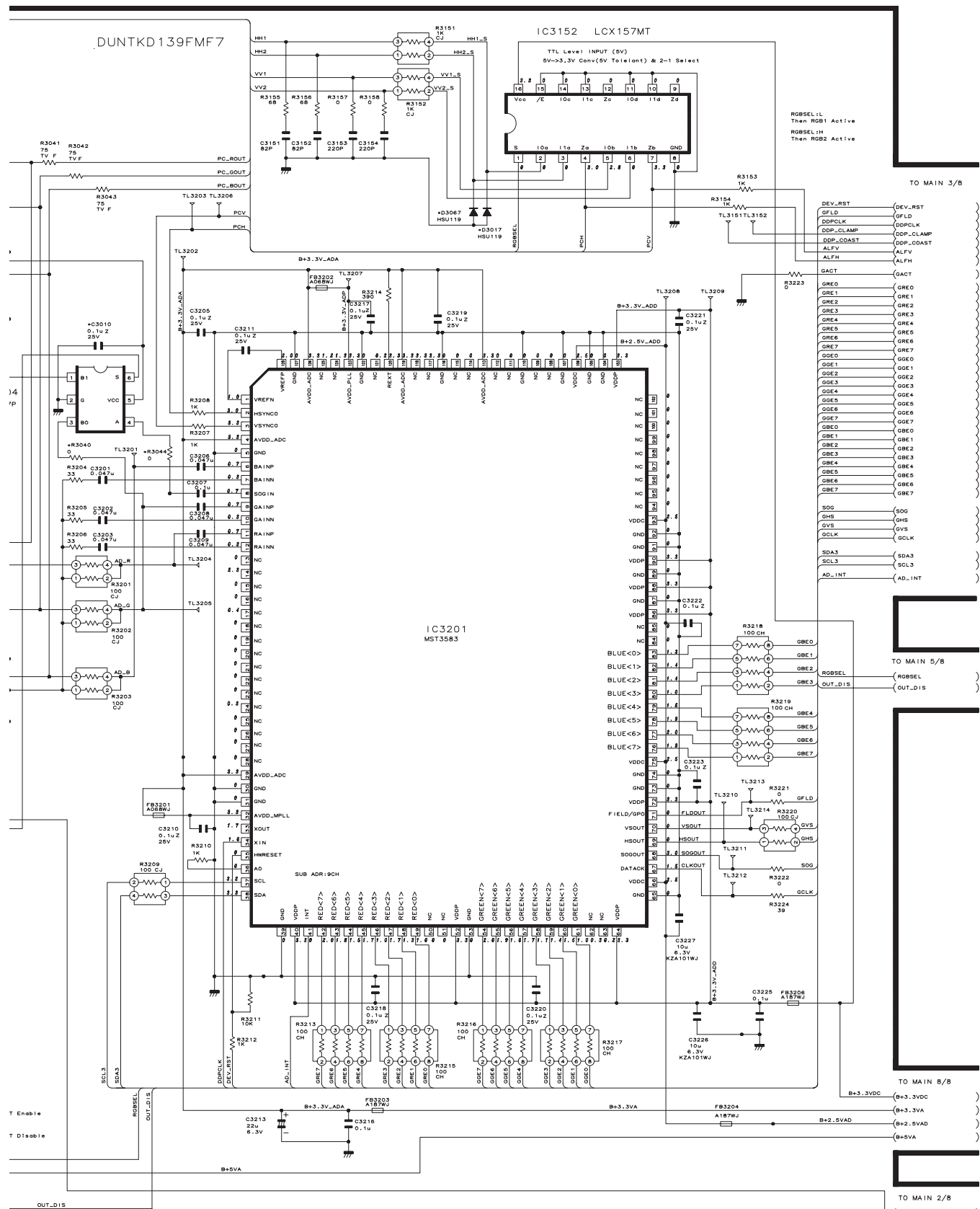


⑧ Q901, Q903(GATE)
BALLAST
H:4μsec/div
V:100V/div

SCHEMATIC DIAGRAM

■ MAIN UNIT-1/8

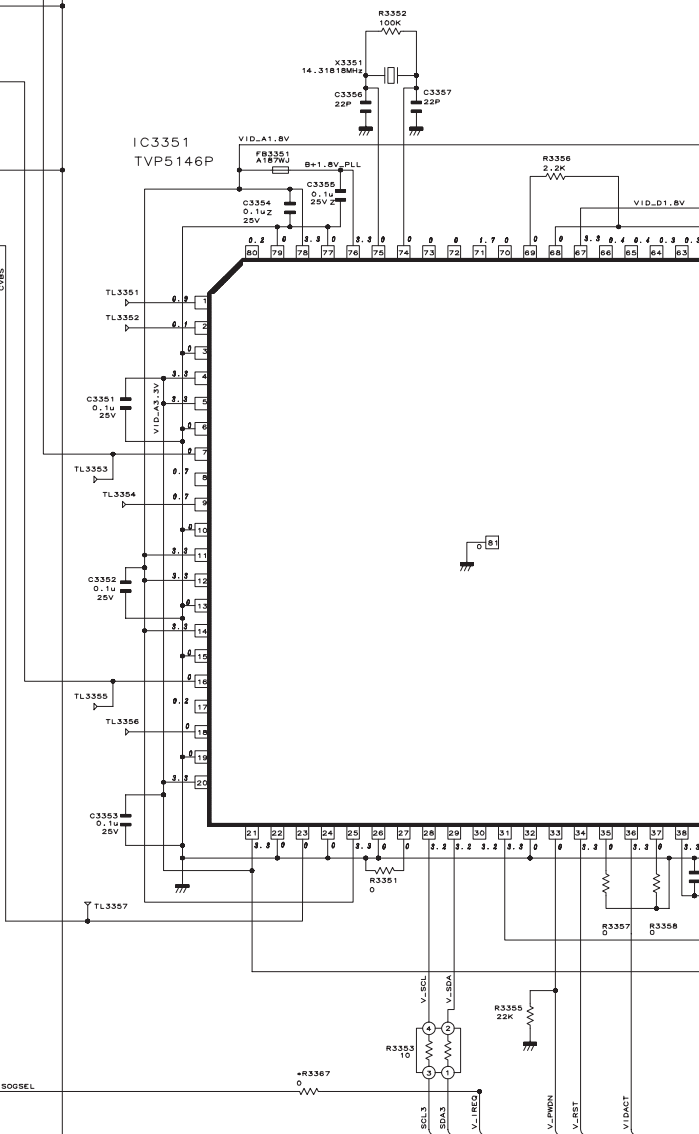


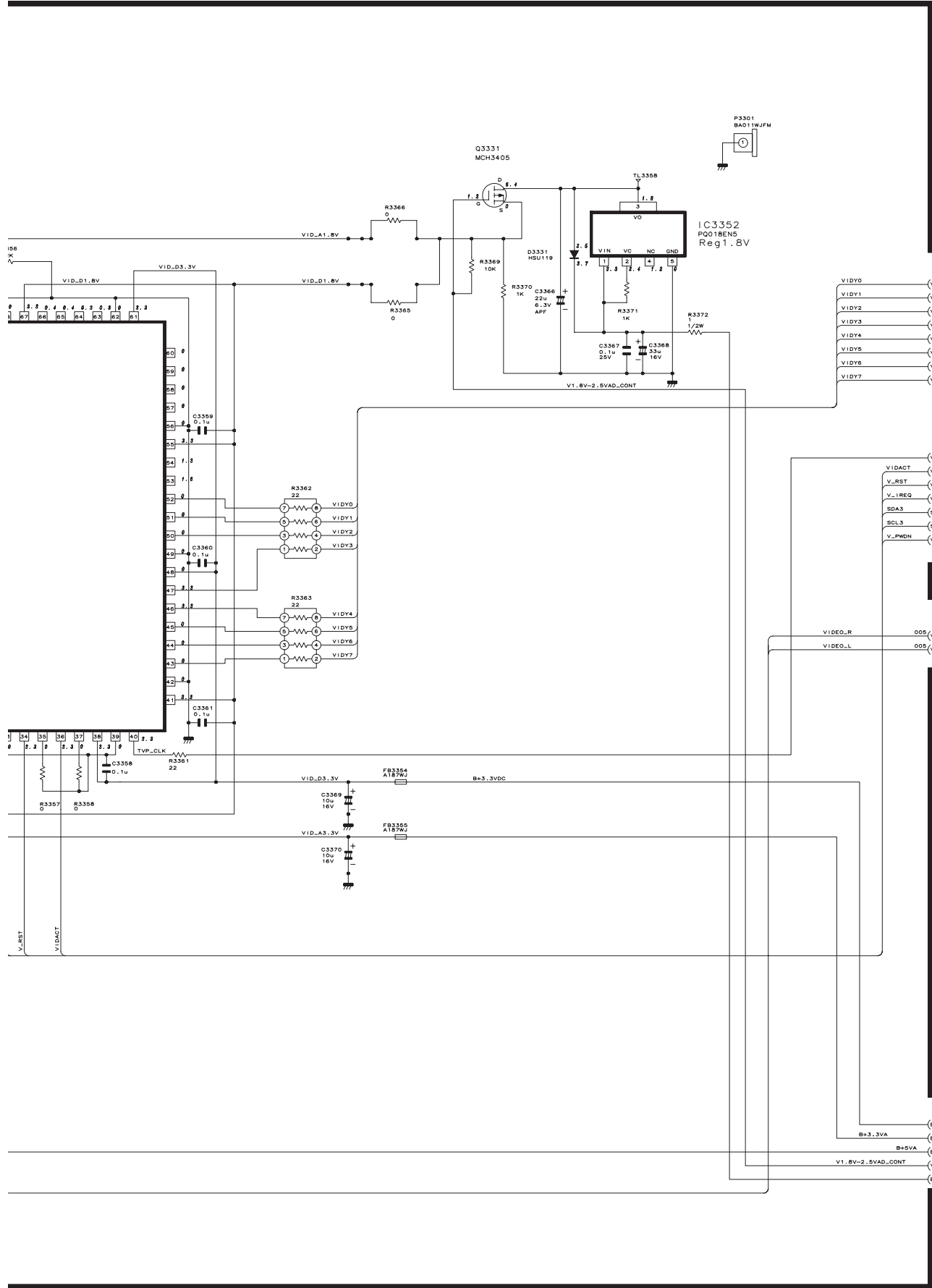


VIDEO IN
S-VIDEO IN

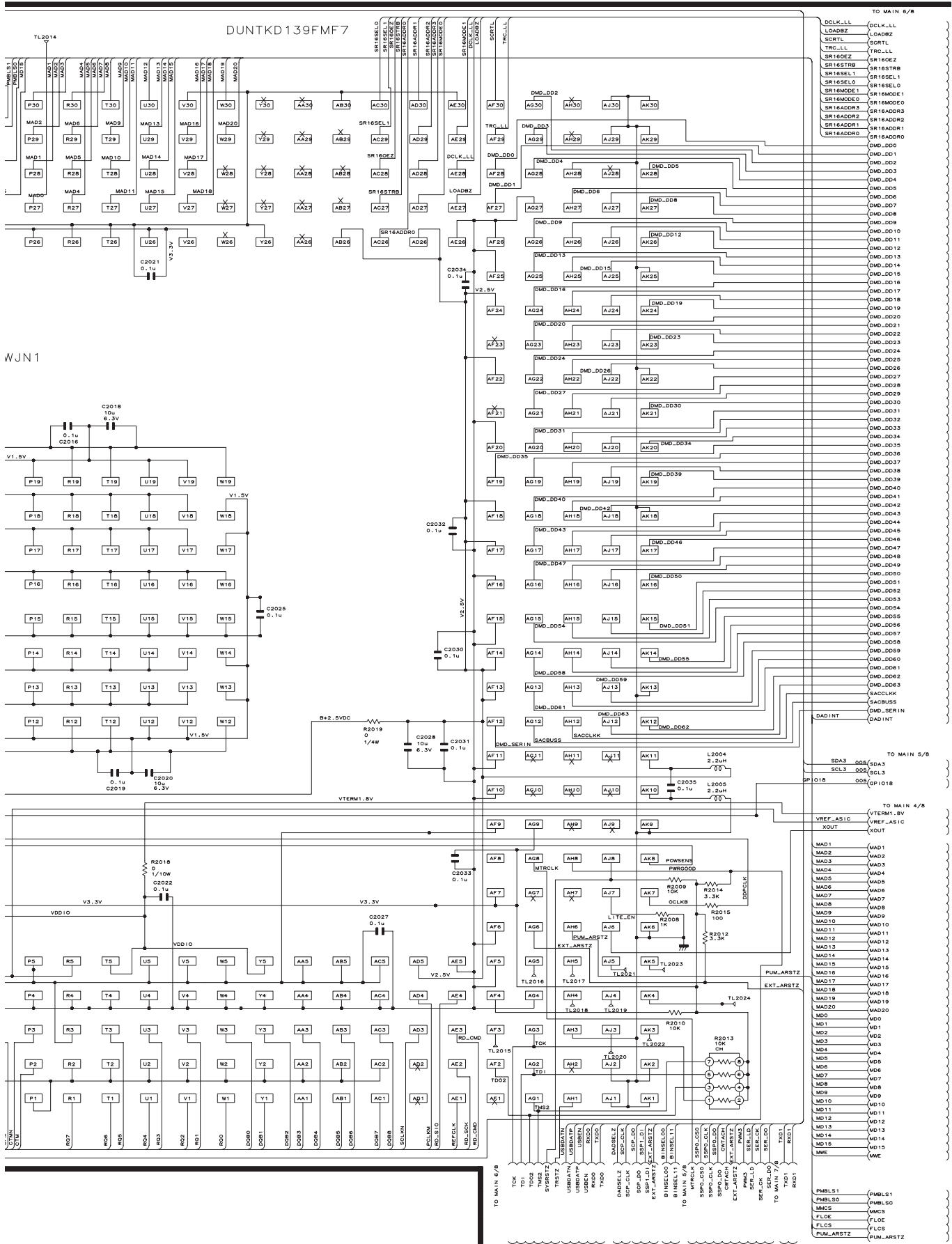


DUNTKD139FMF7



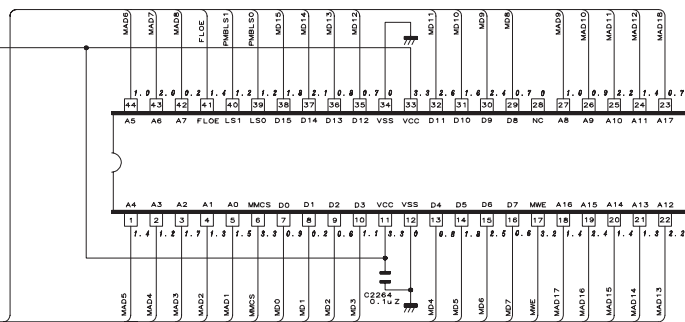






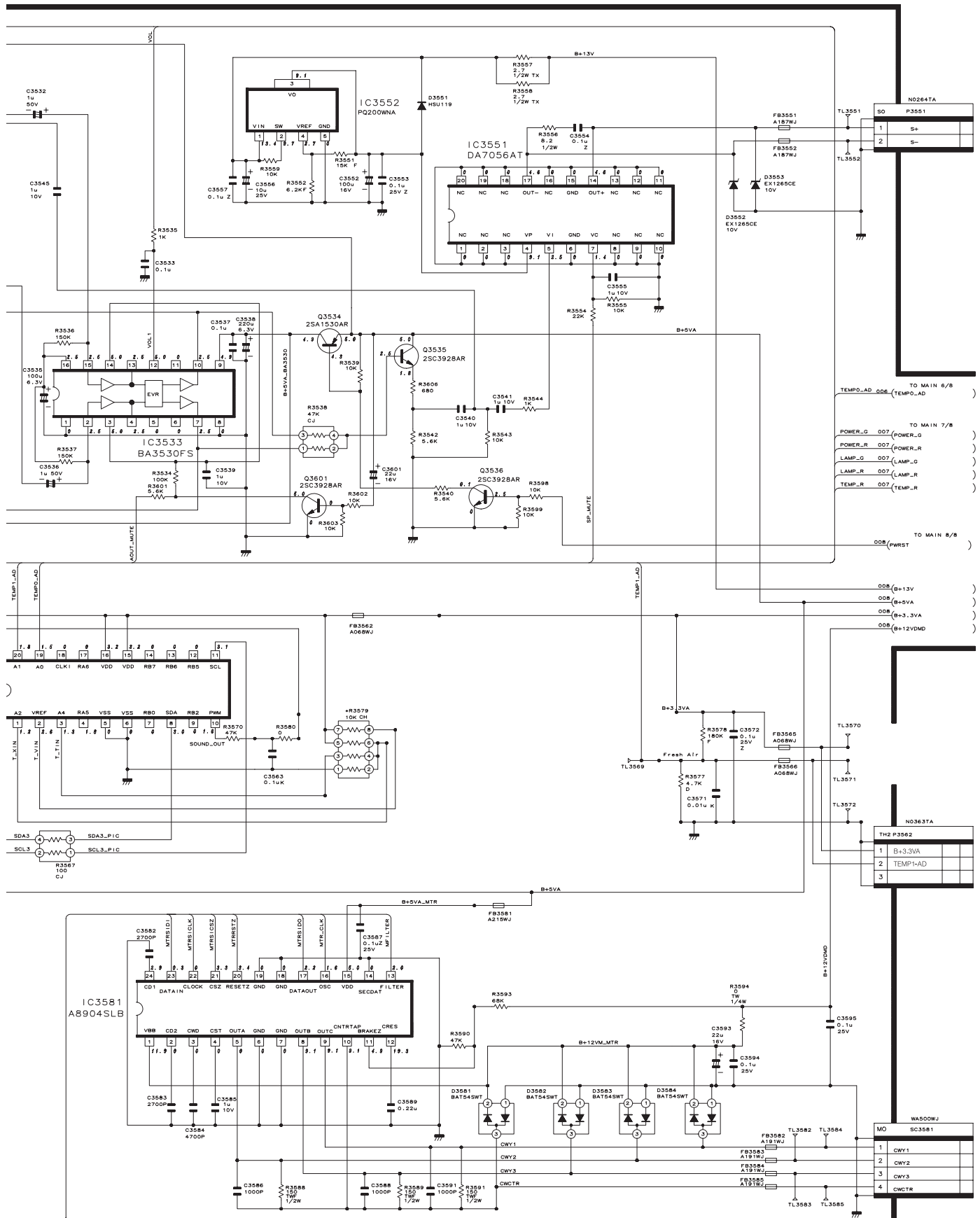
DUNTKD139FMF7



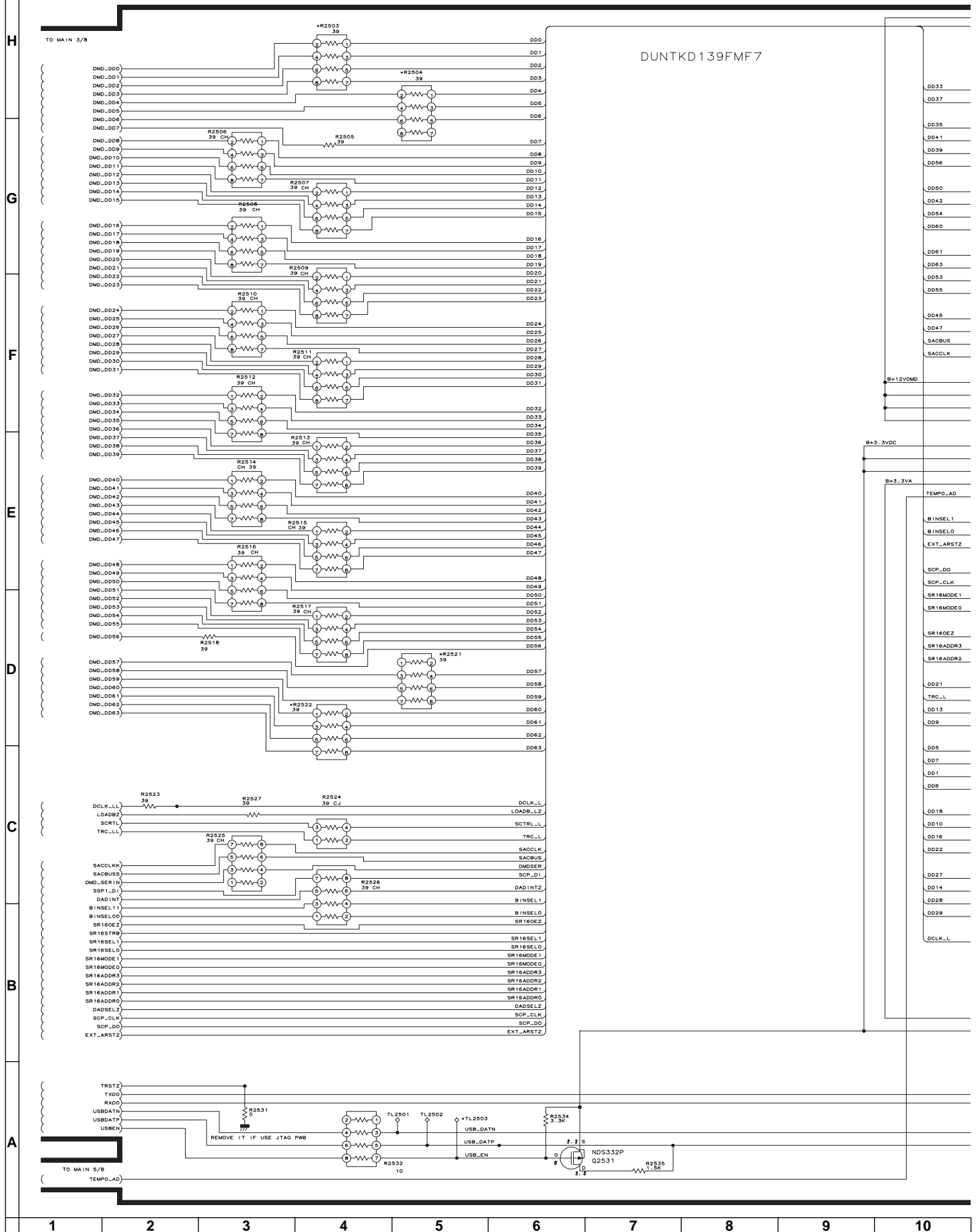


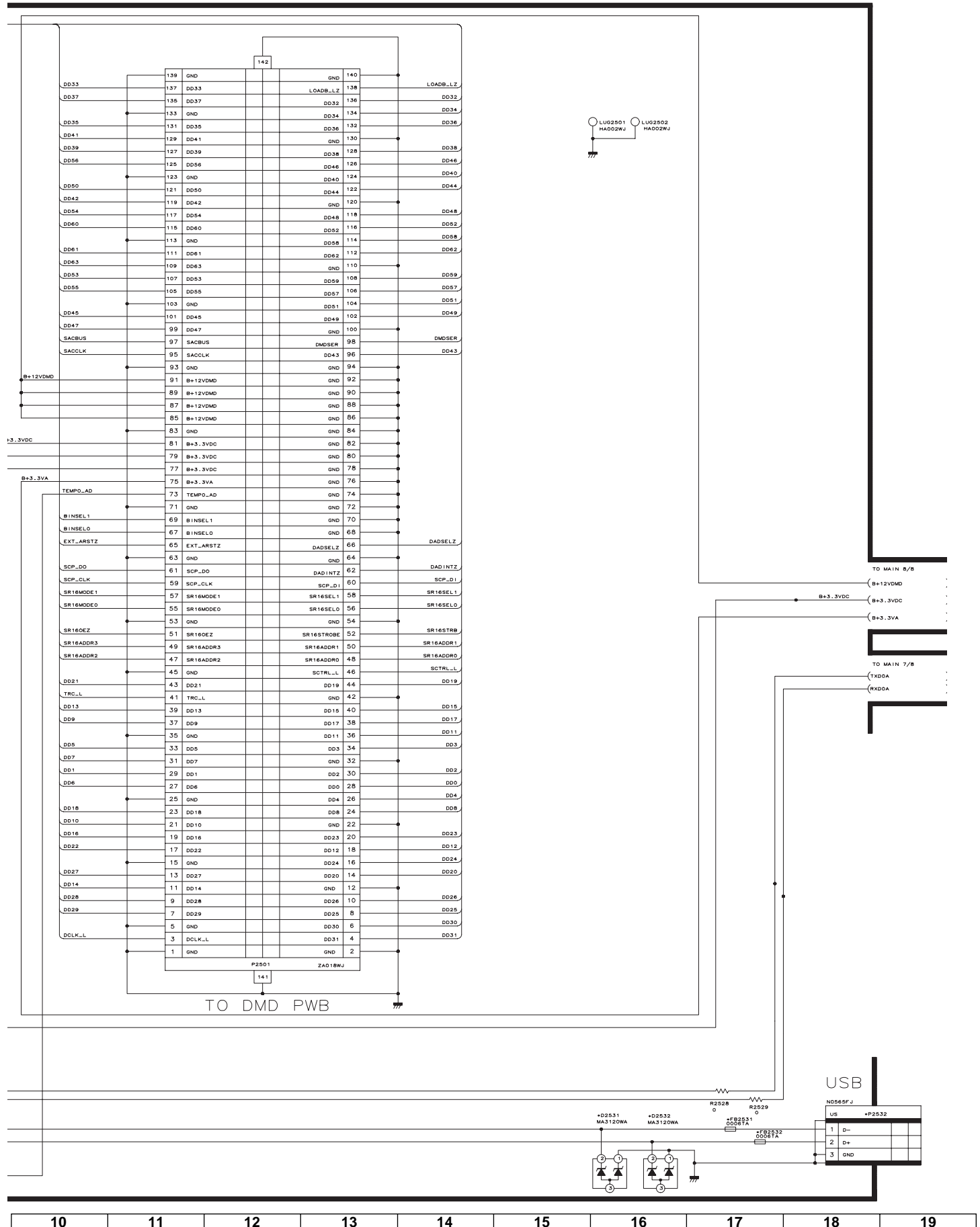
DUNTKD139FMF7



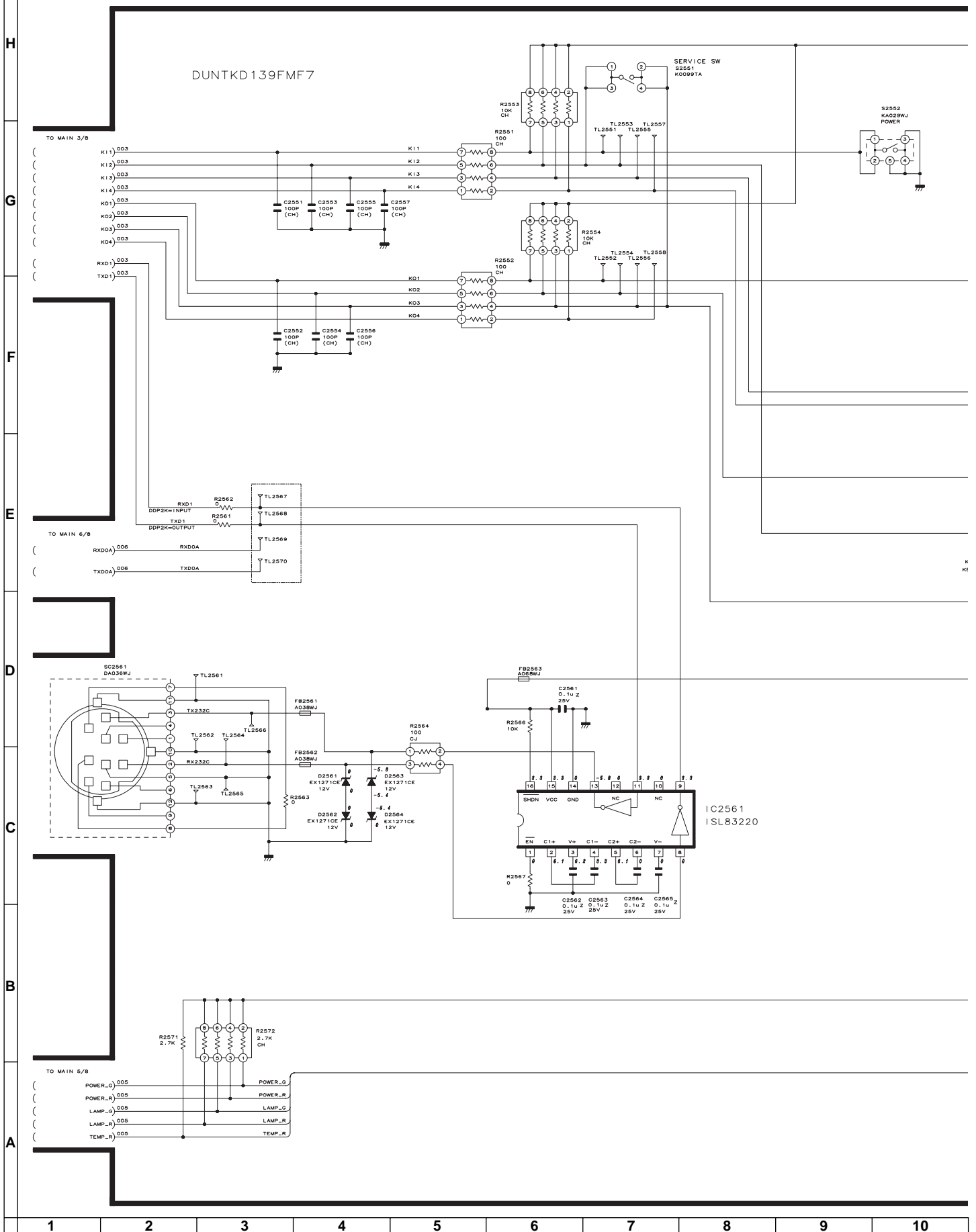


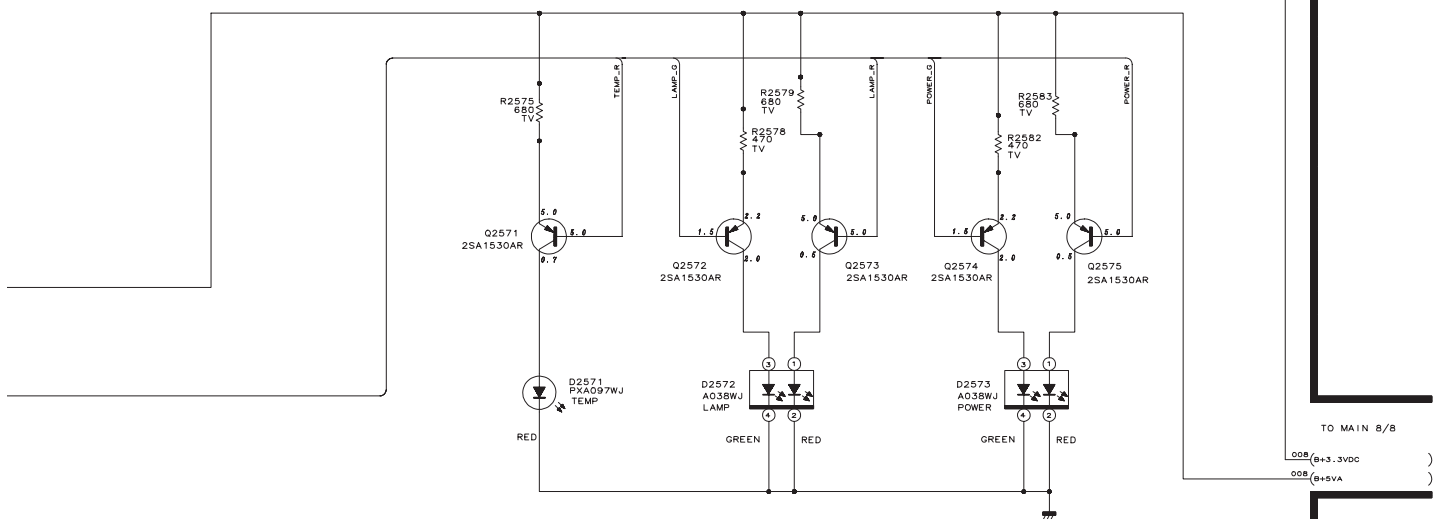
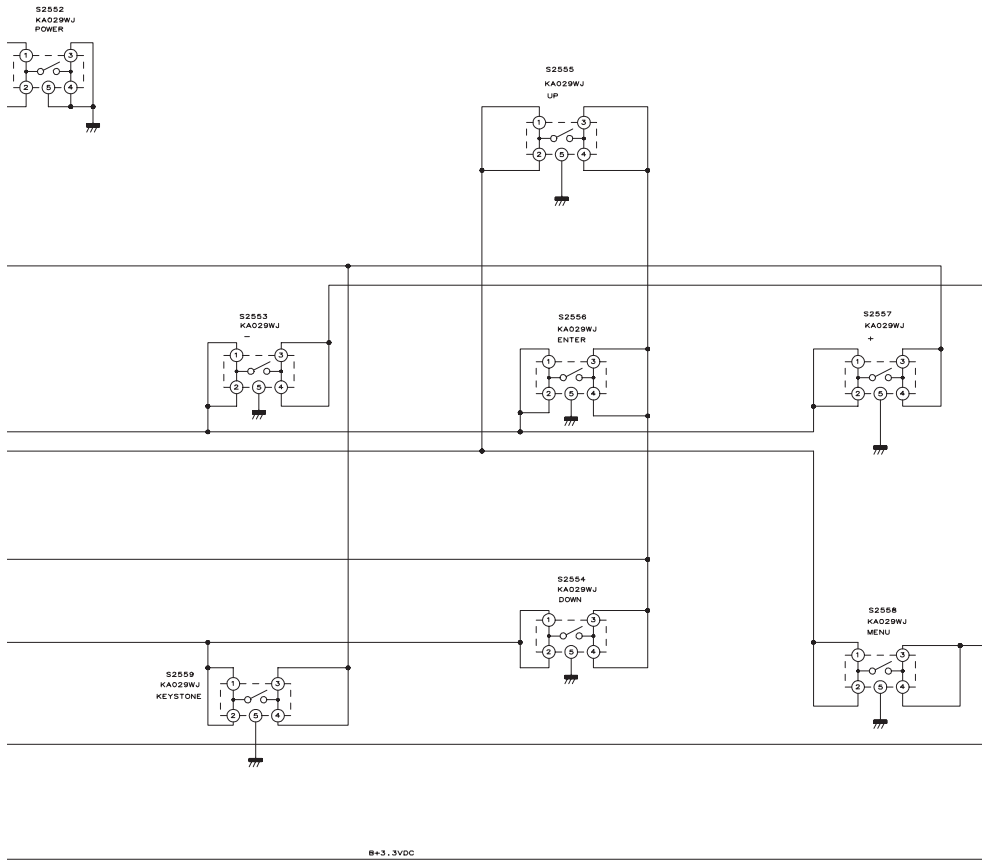
MAIN UNIT-6/8





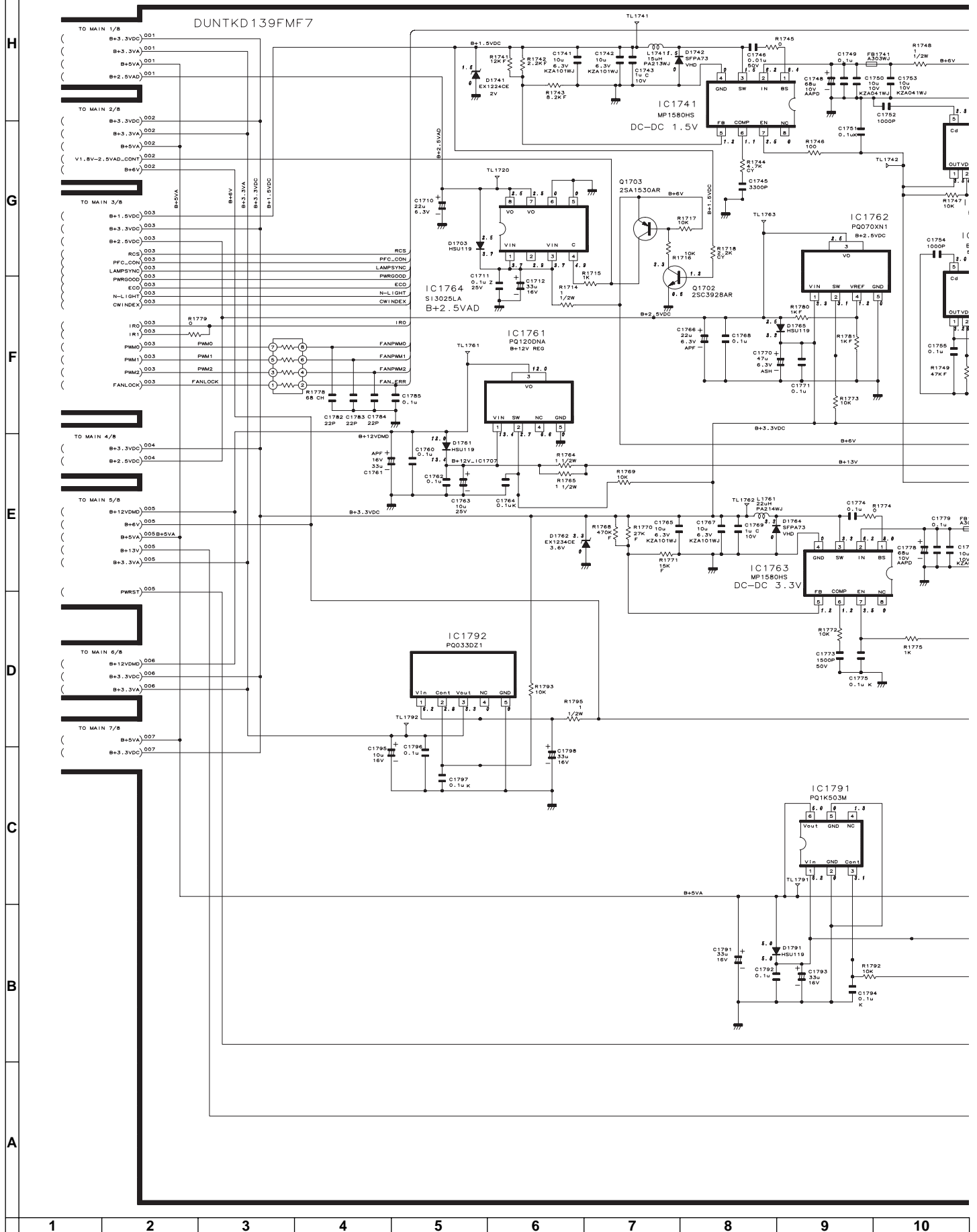
MAIN UNIT-7/8

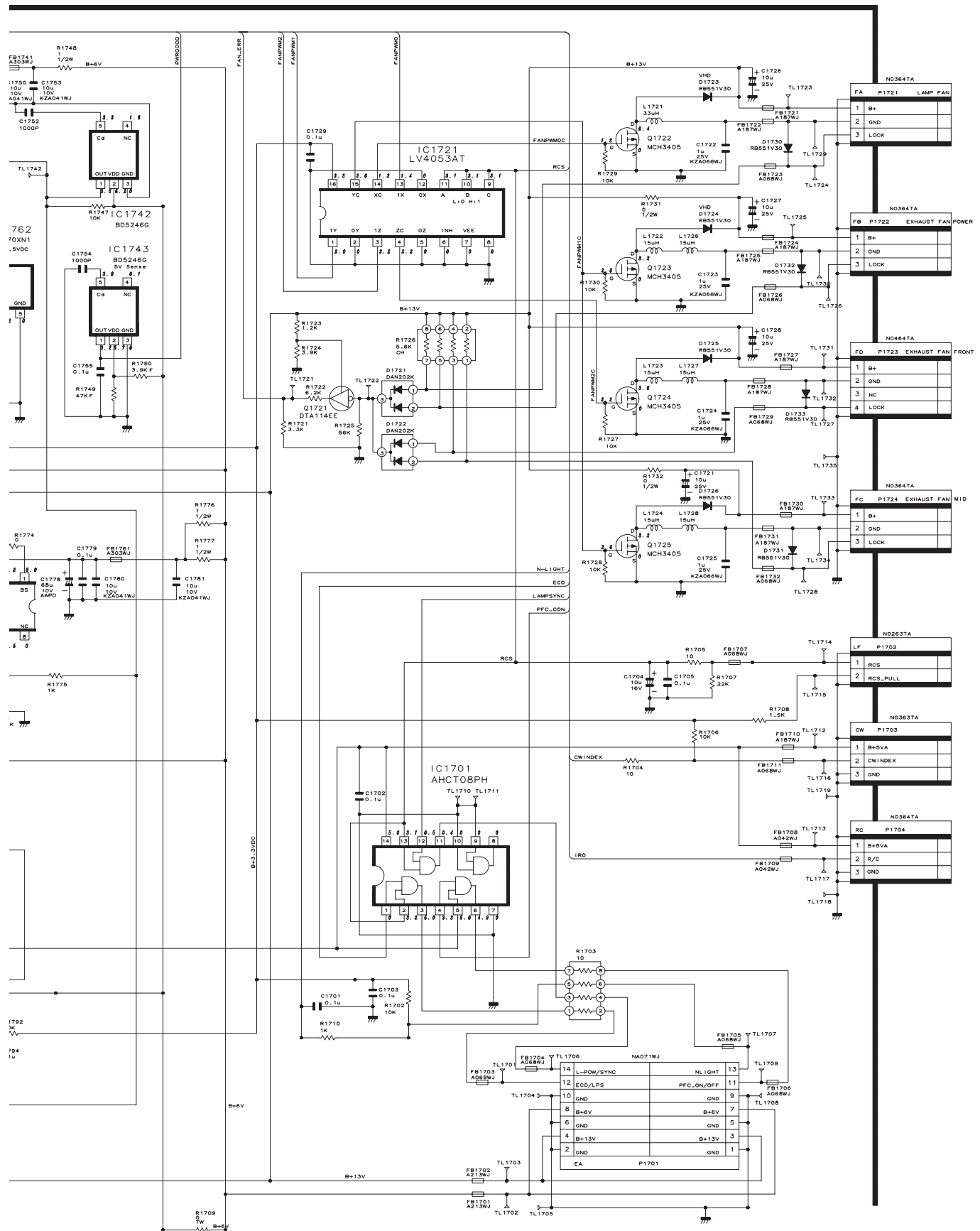




10	11	12	13	14	15	16	17	18	19
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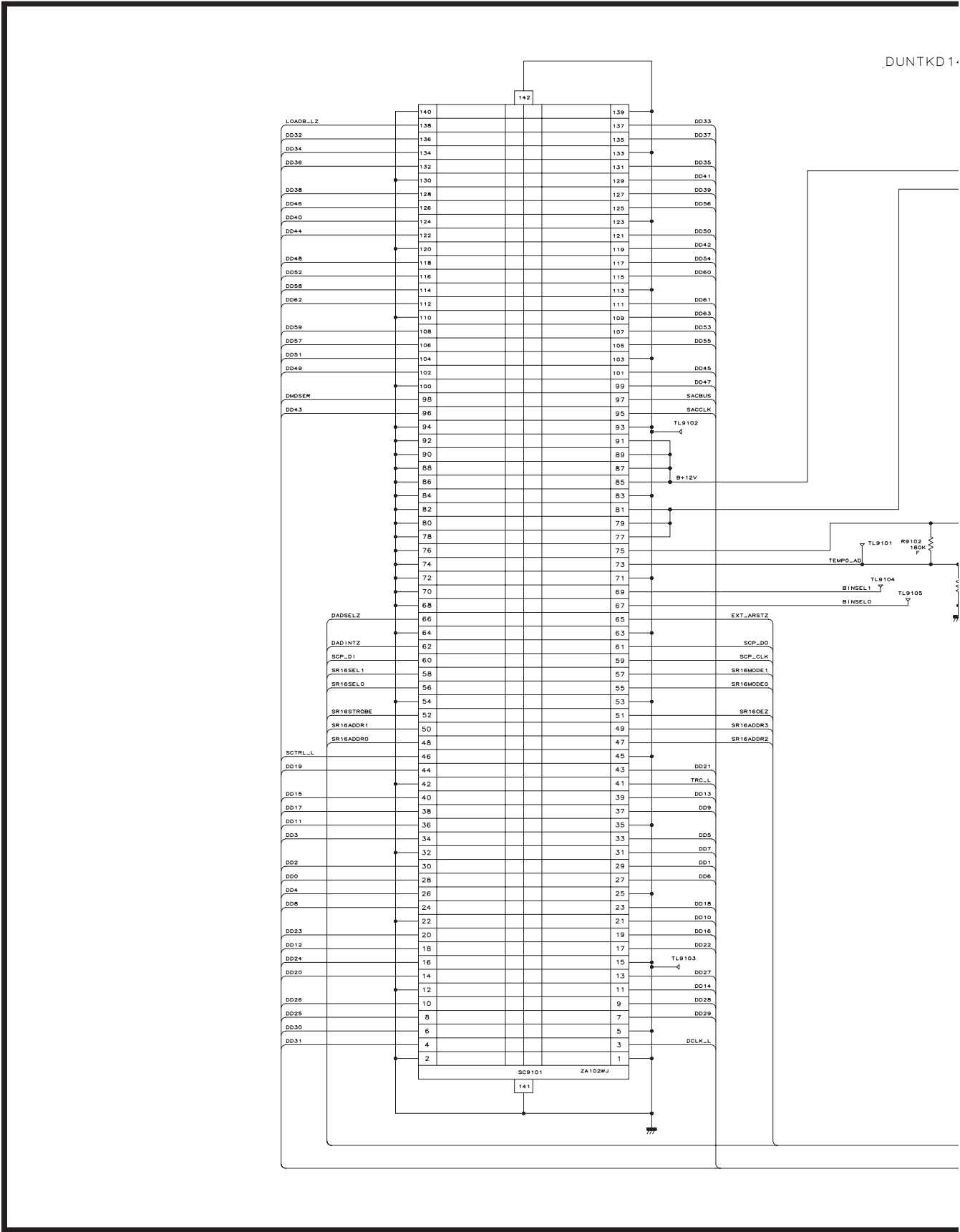
MAIN UNIT-8/8





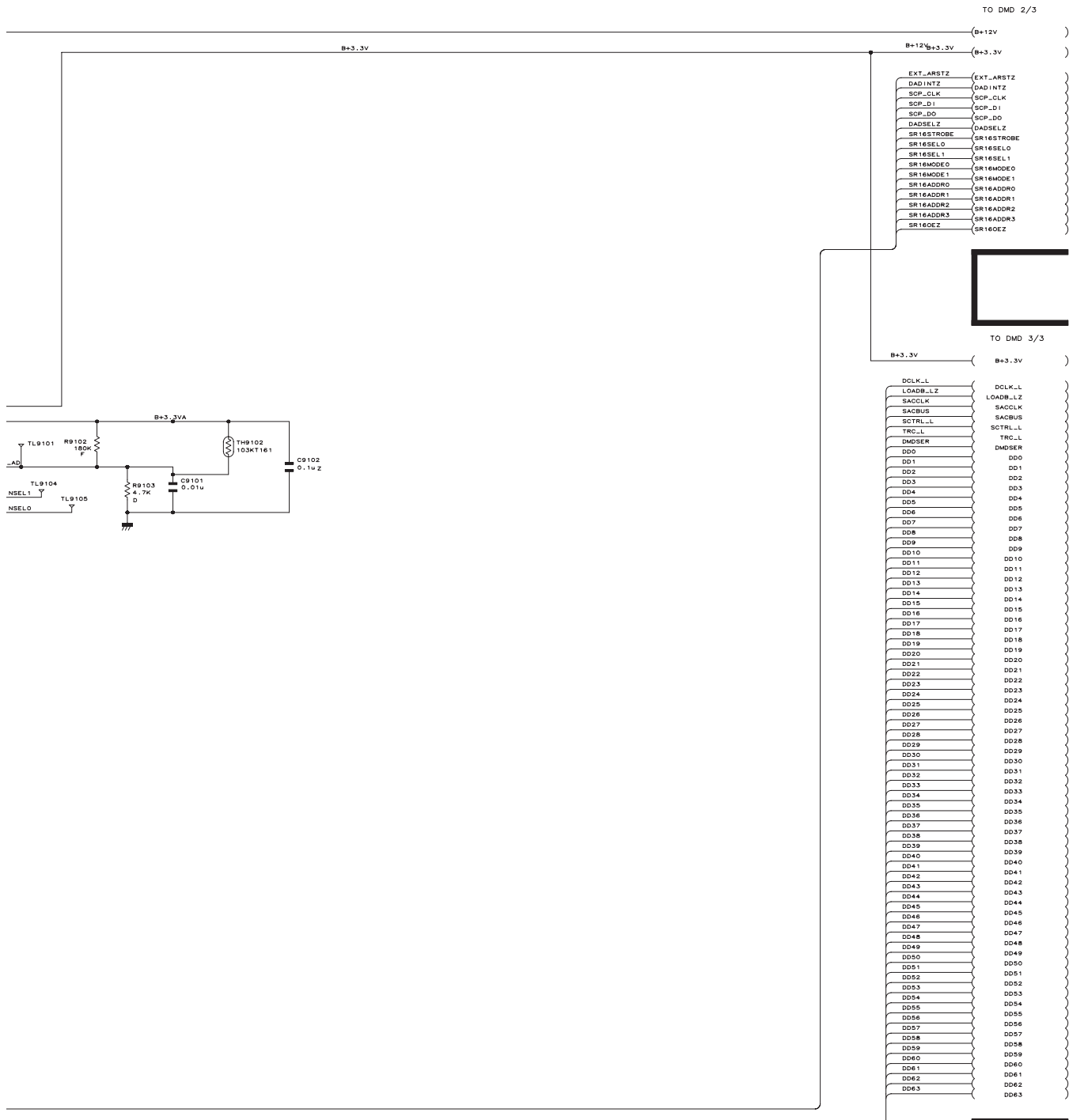
DMD UNIT-1/3

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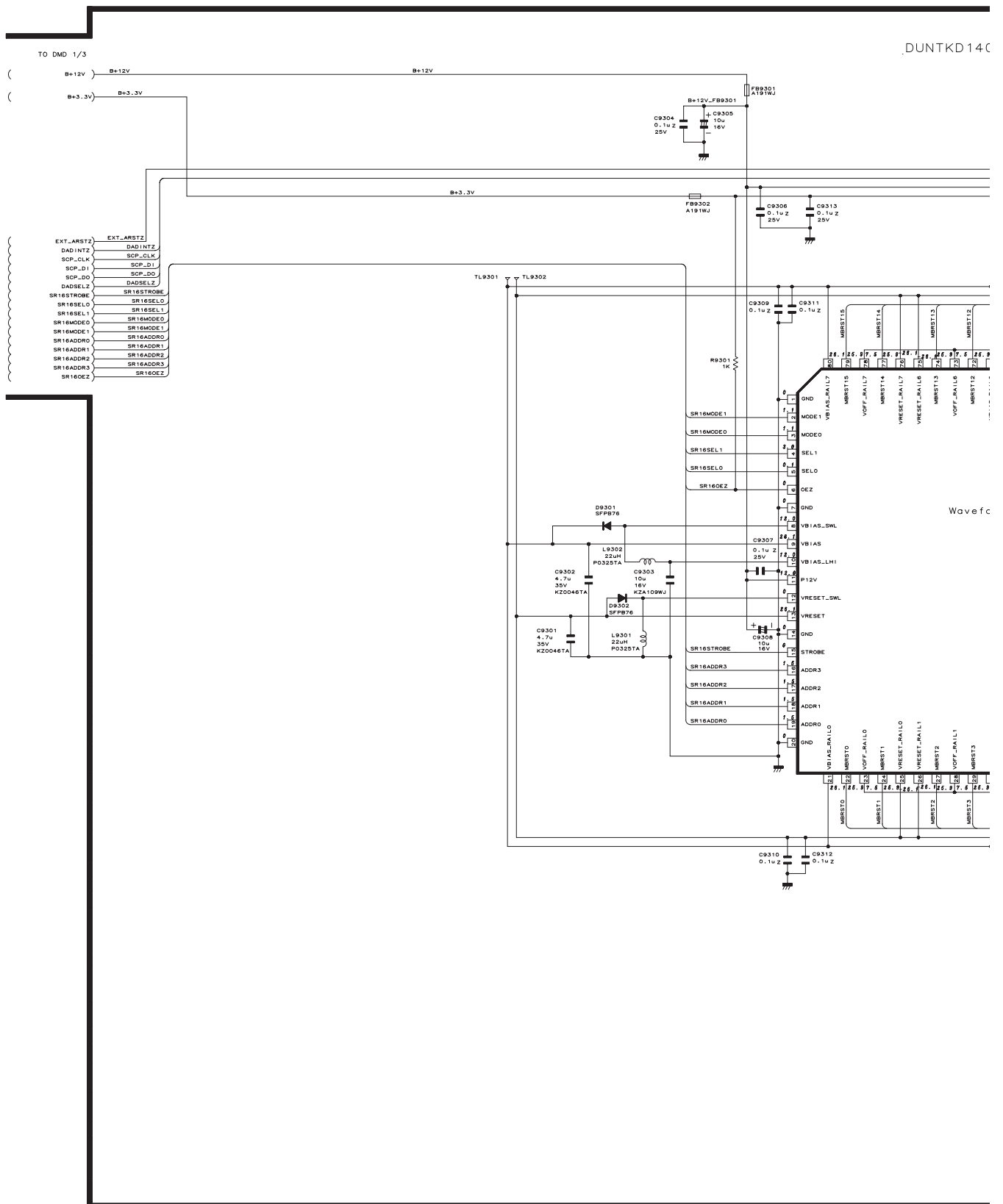


1 2 3 4 5 6 7 8 9 10

DUNTKD140WEOF0



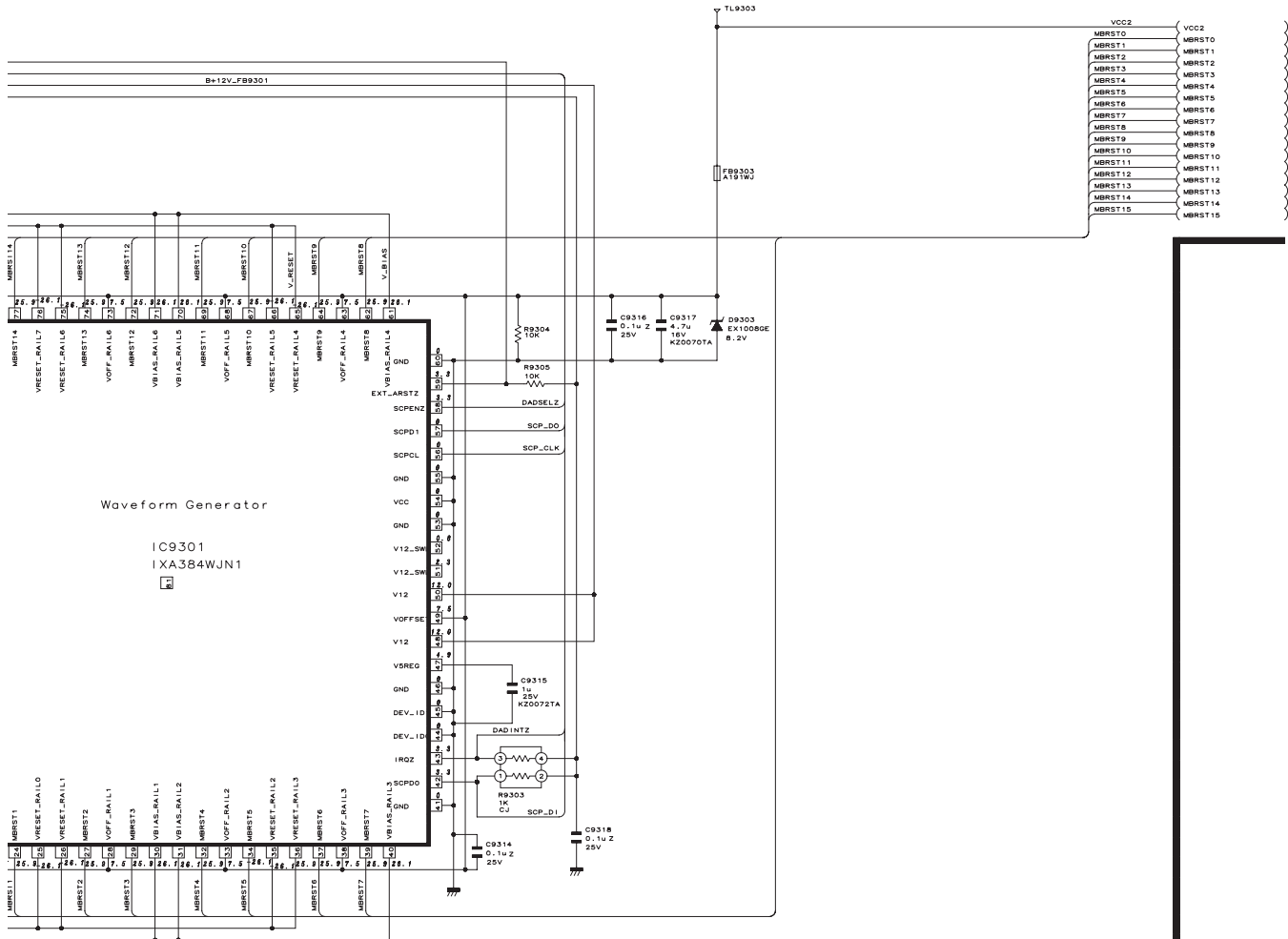
DMD UNIT-2/3



DUNT KD14C

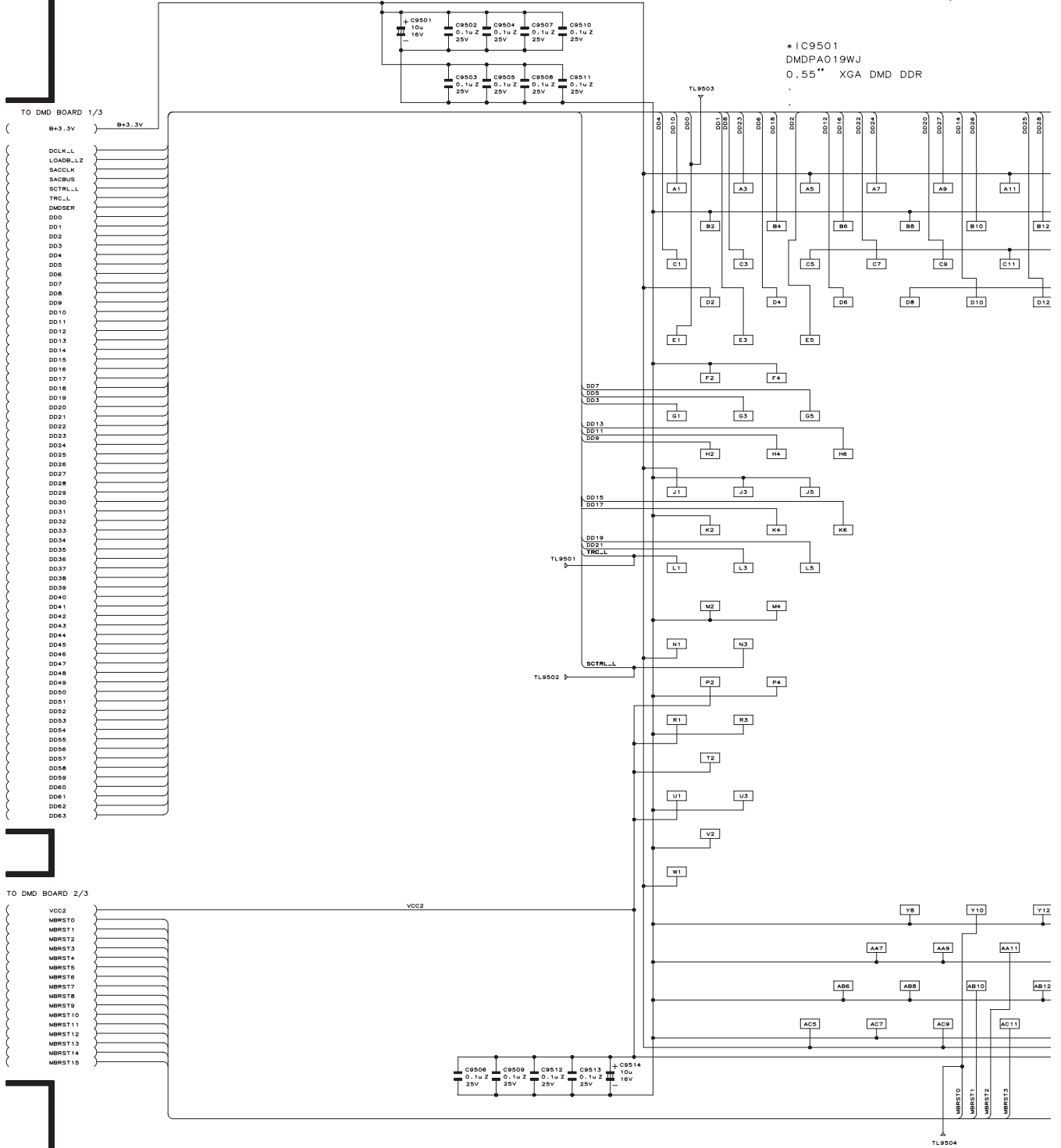
Wavefc

IC9301
IXA384WJN1

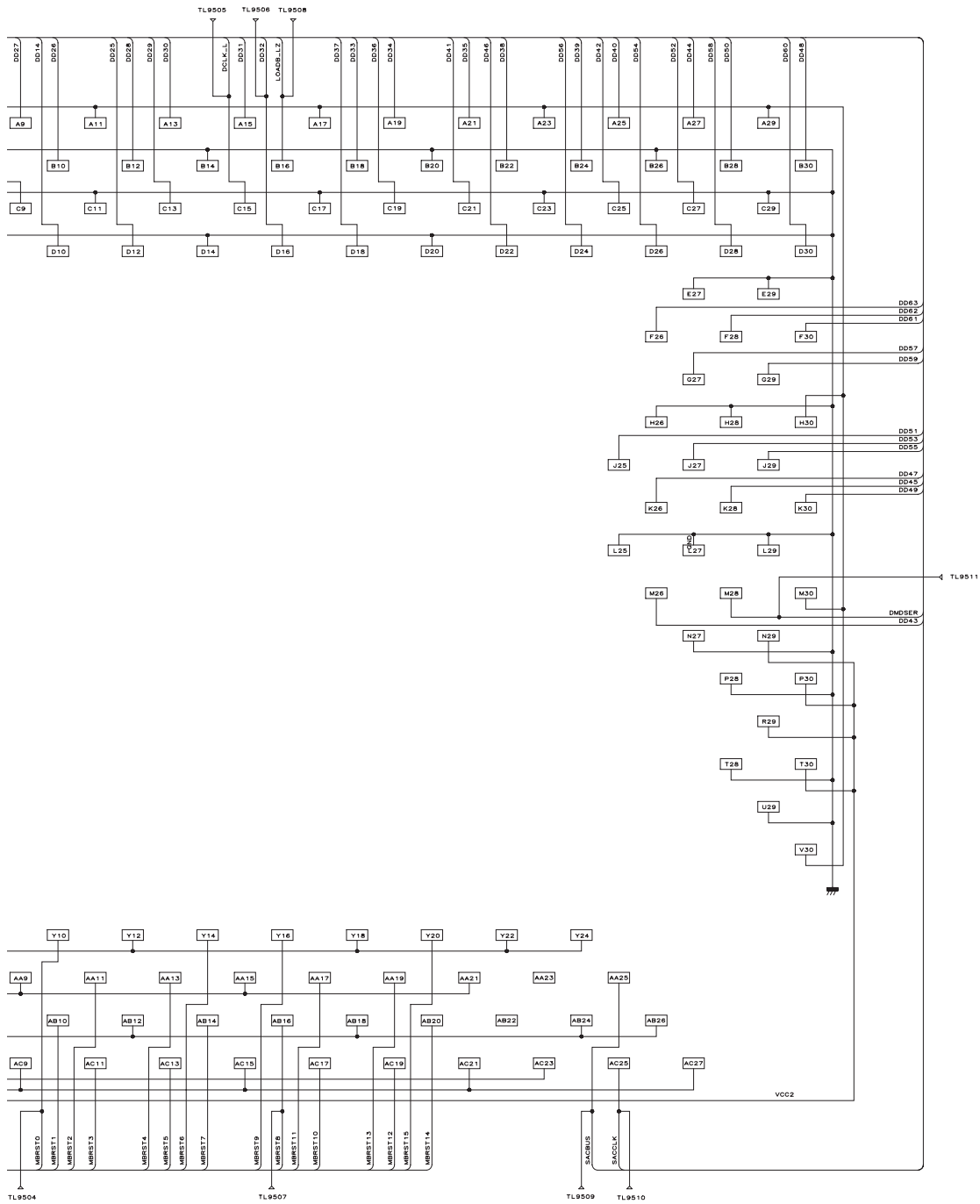
65

DMD UNIT-3/3

DUNT KD 140V

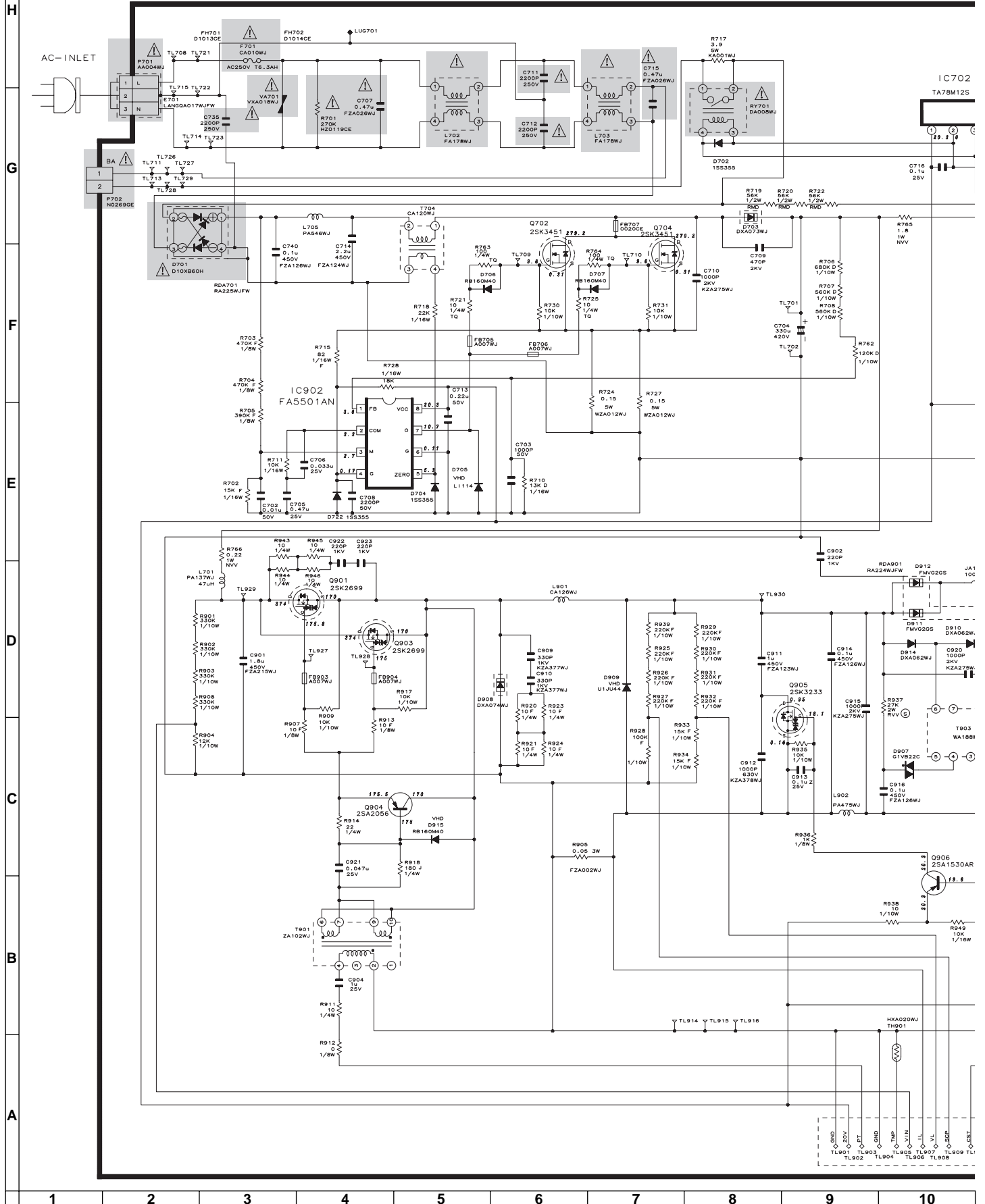


DUNTKD140WEF0

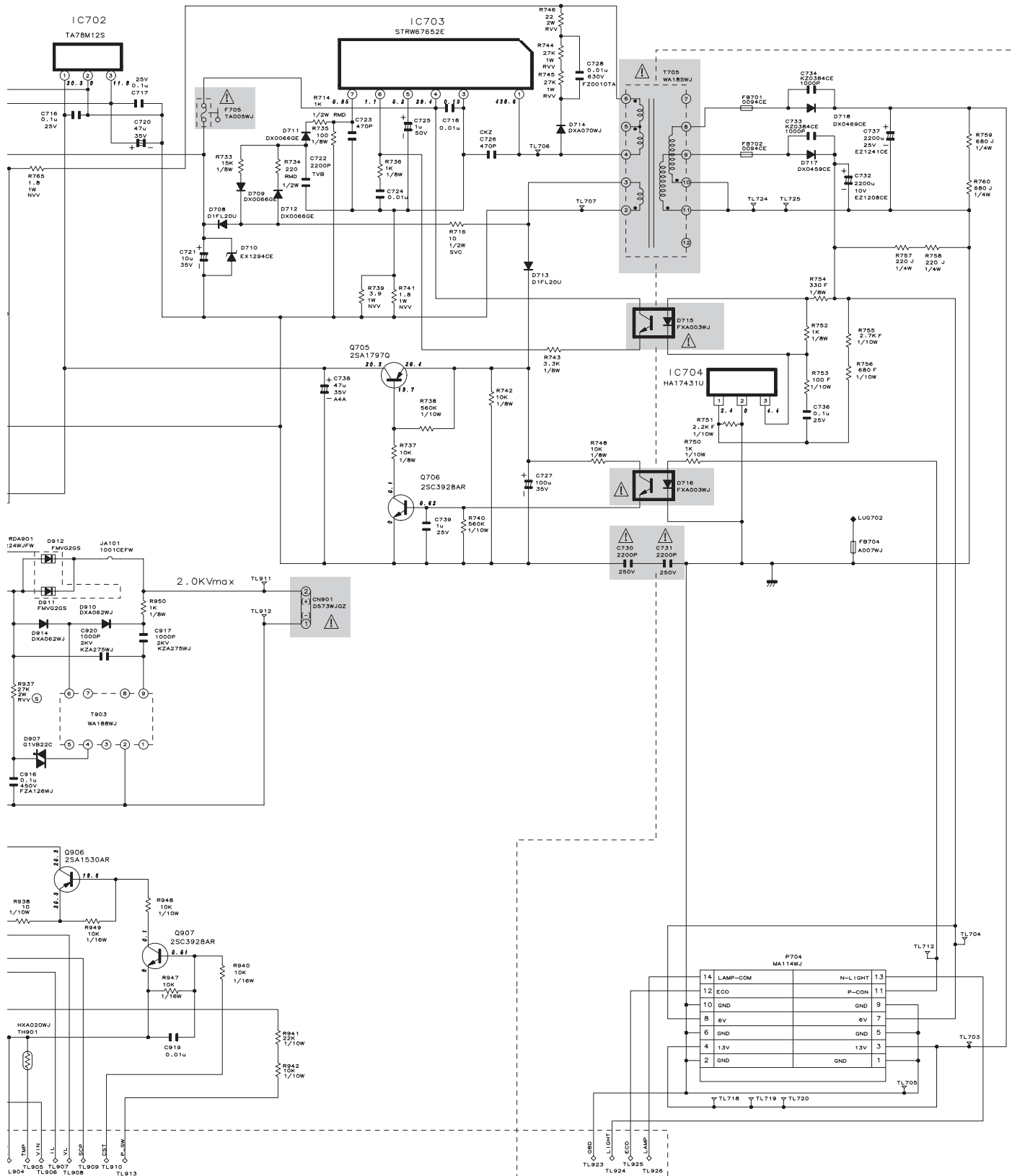


BALLAST POWER UNIT

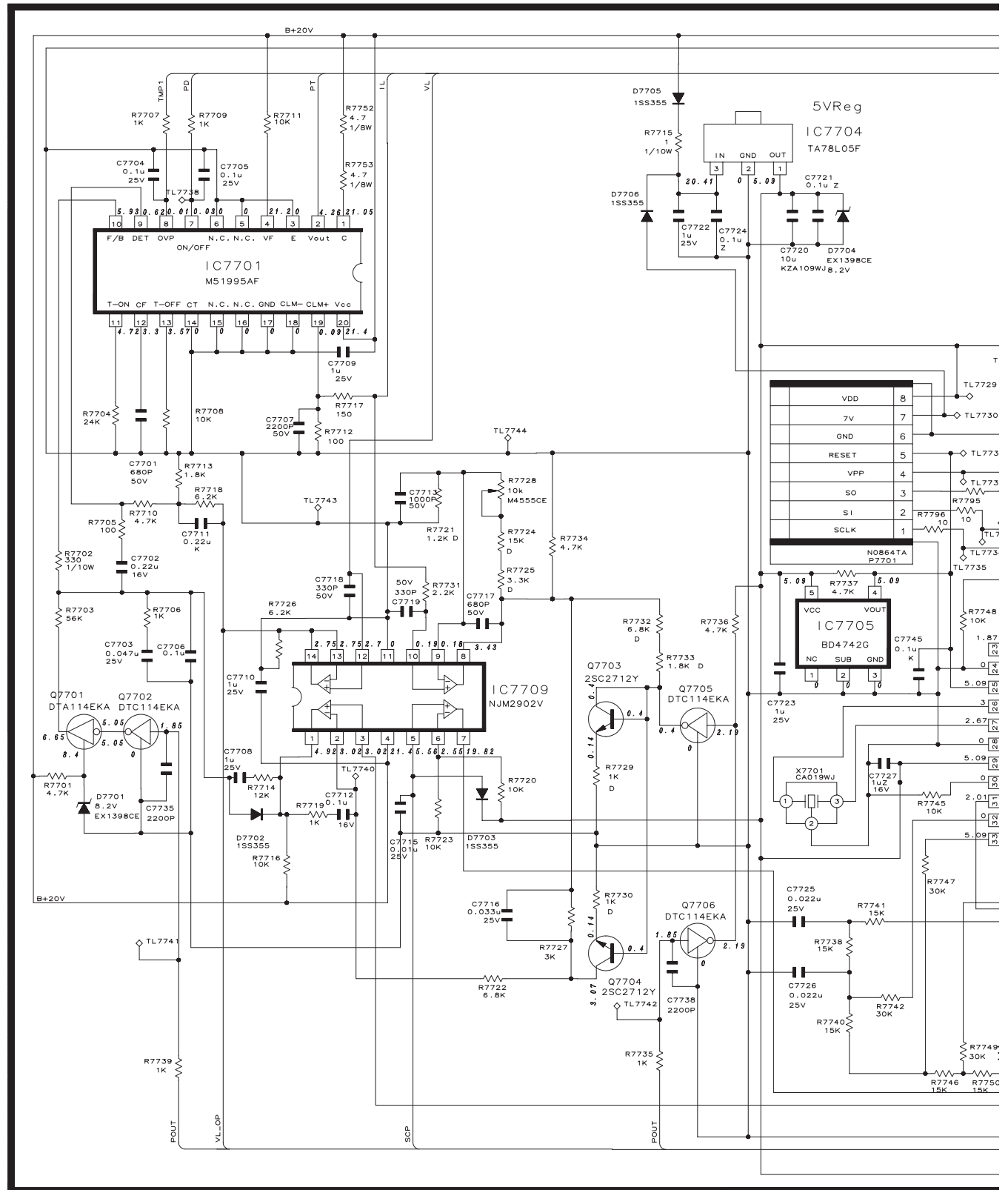
BALLAST POWER

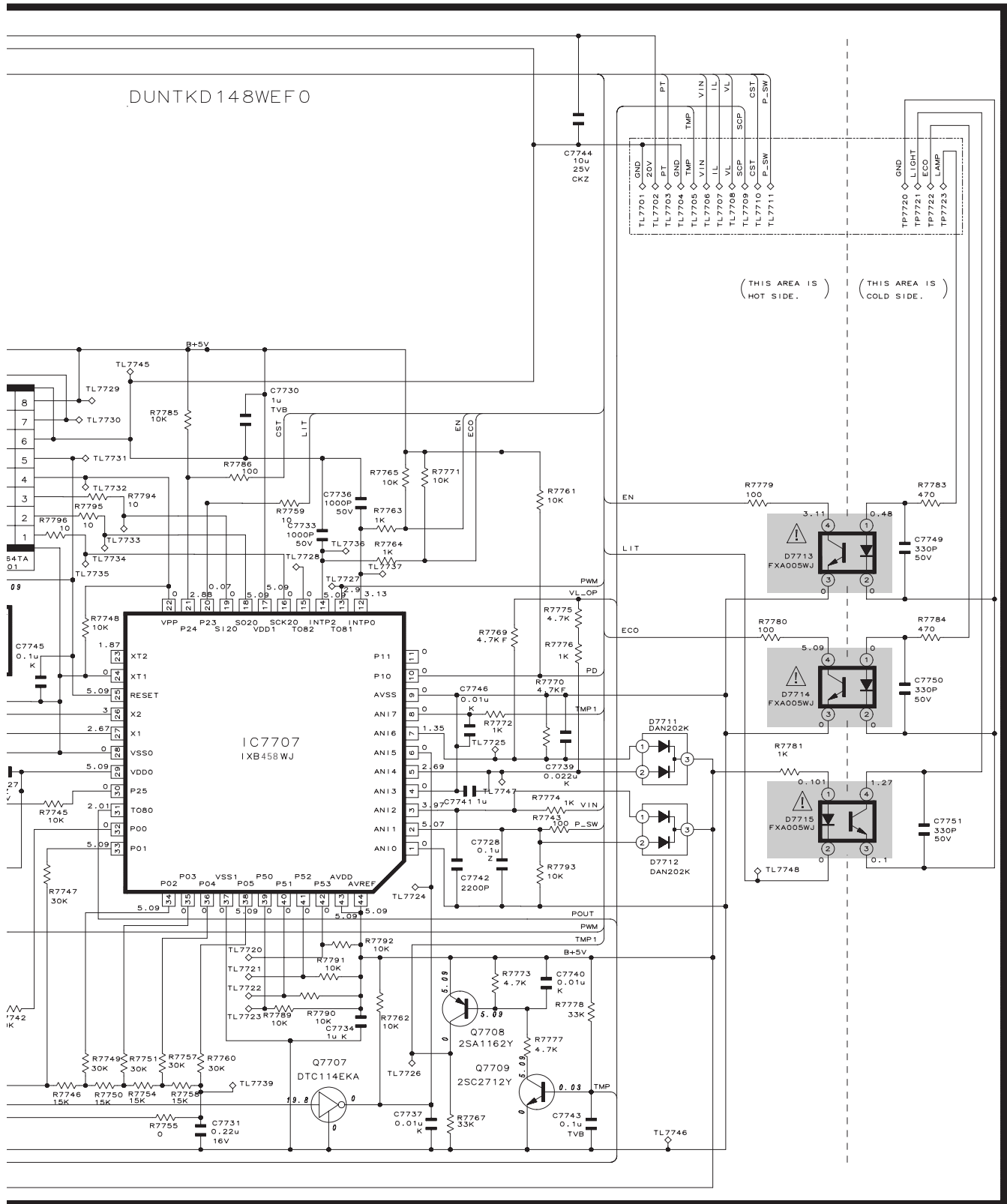


DUNTKD 147WEF 1

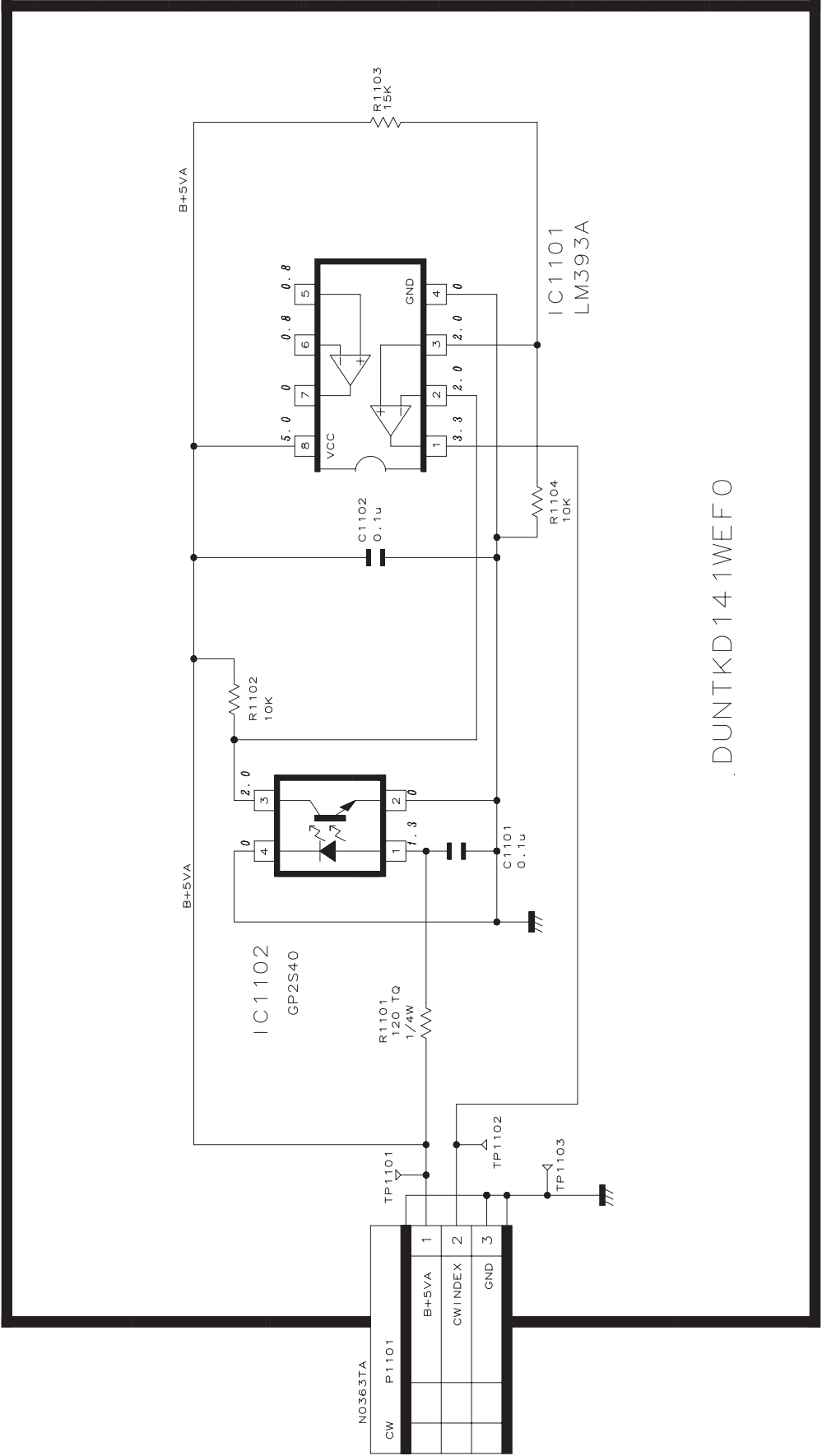


■ BALLAST CONTROL UNIT





PHOTOSENSOR UNIT



DUNTKD141WEF0

■ R/C UNIT

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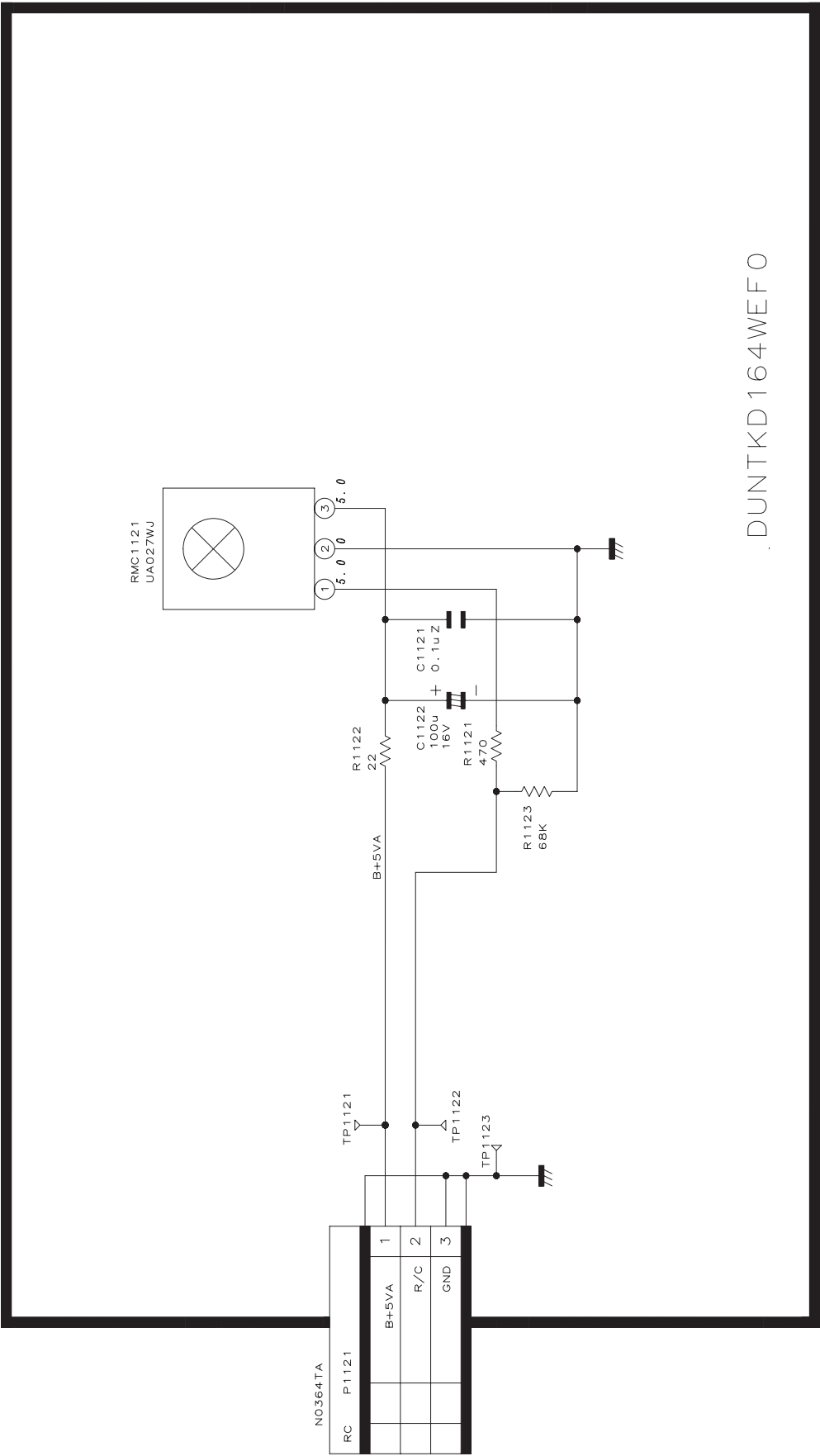
E

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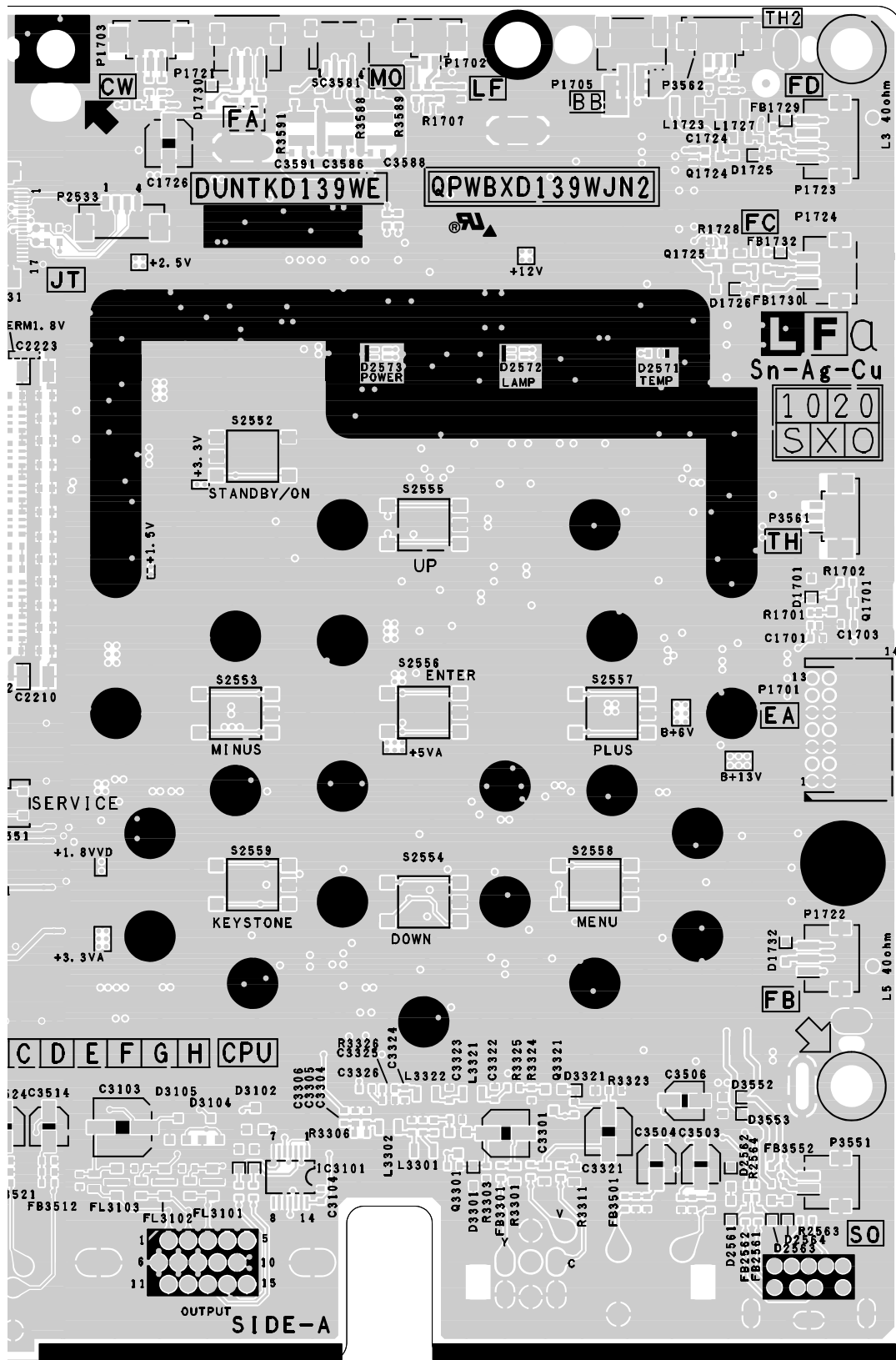
B

A

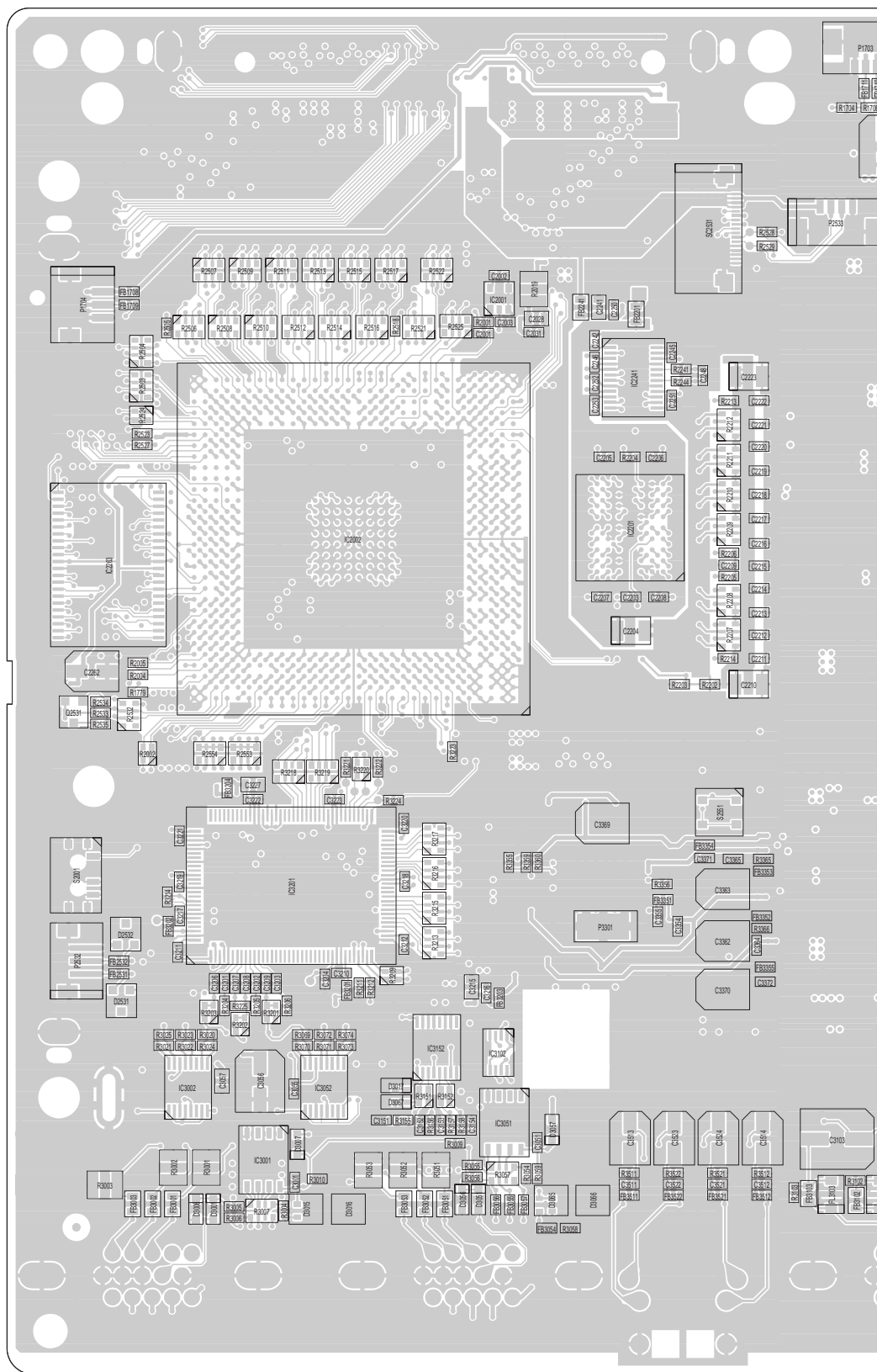


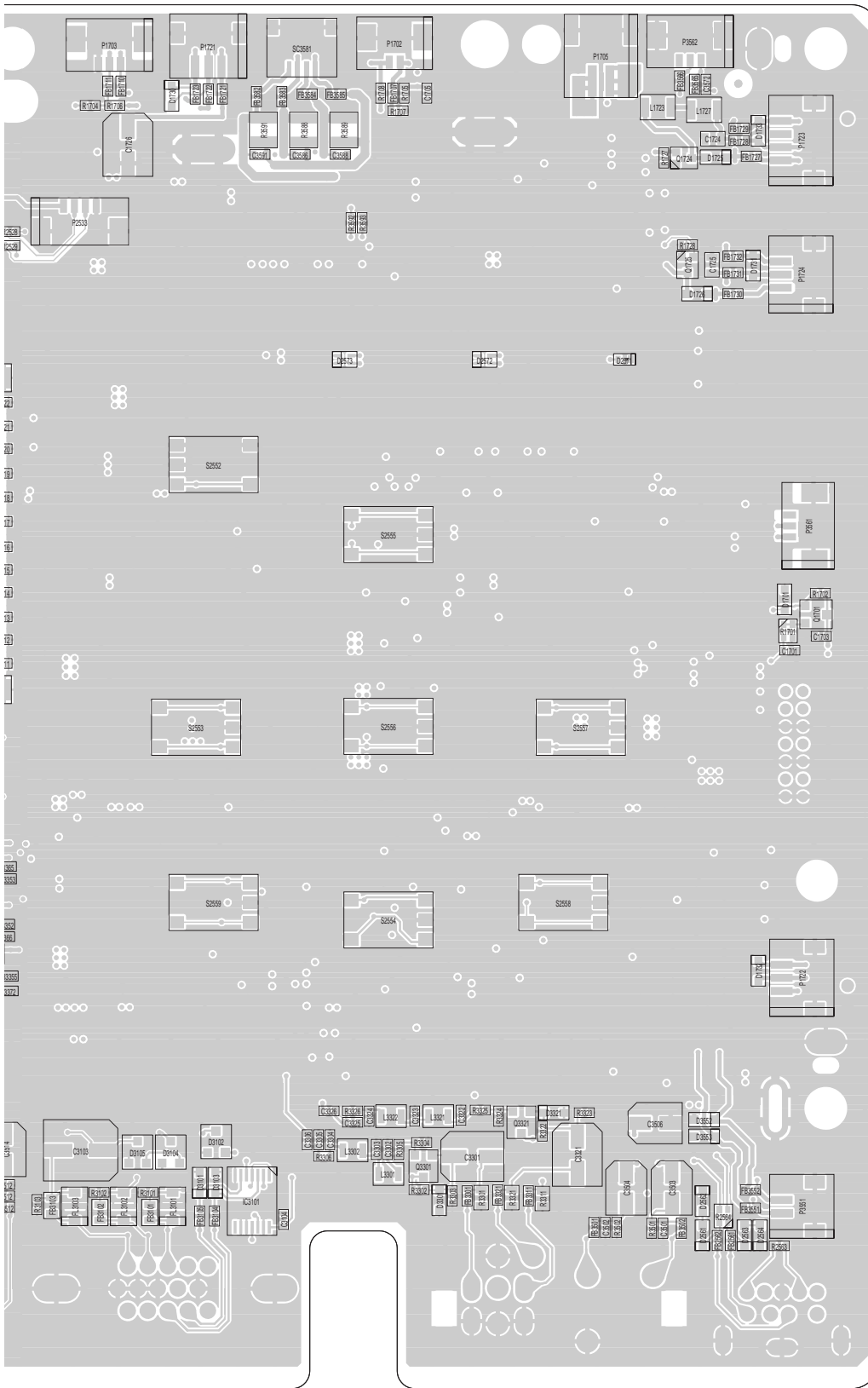
DUNTKD164WEFO

MAIN Unit (Side-A)



10	11	12	13	14	15	16	17	18	19
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15

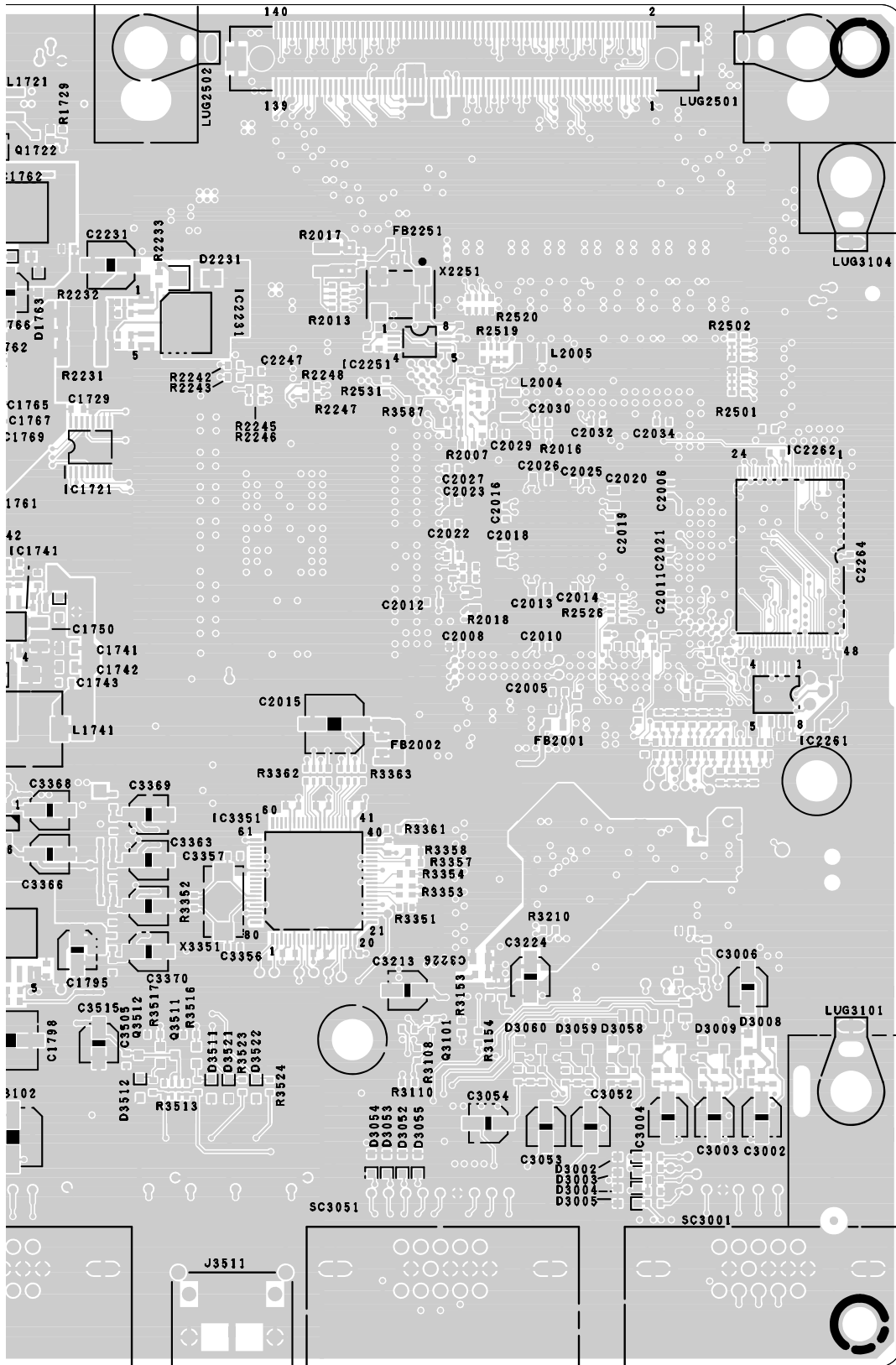
16

17

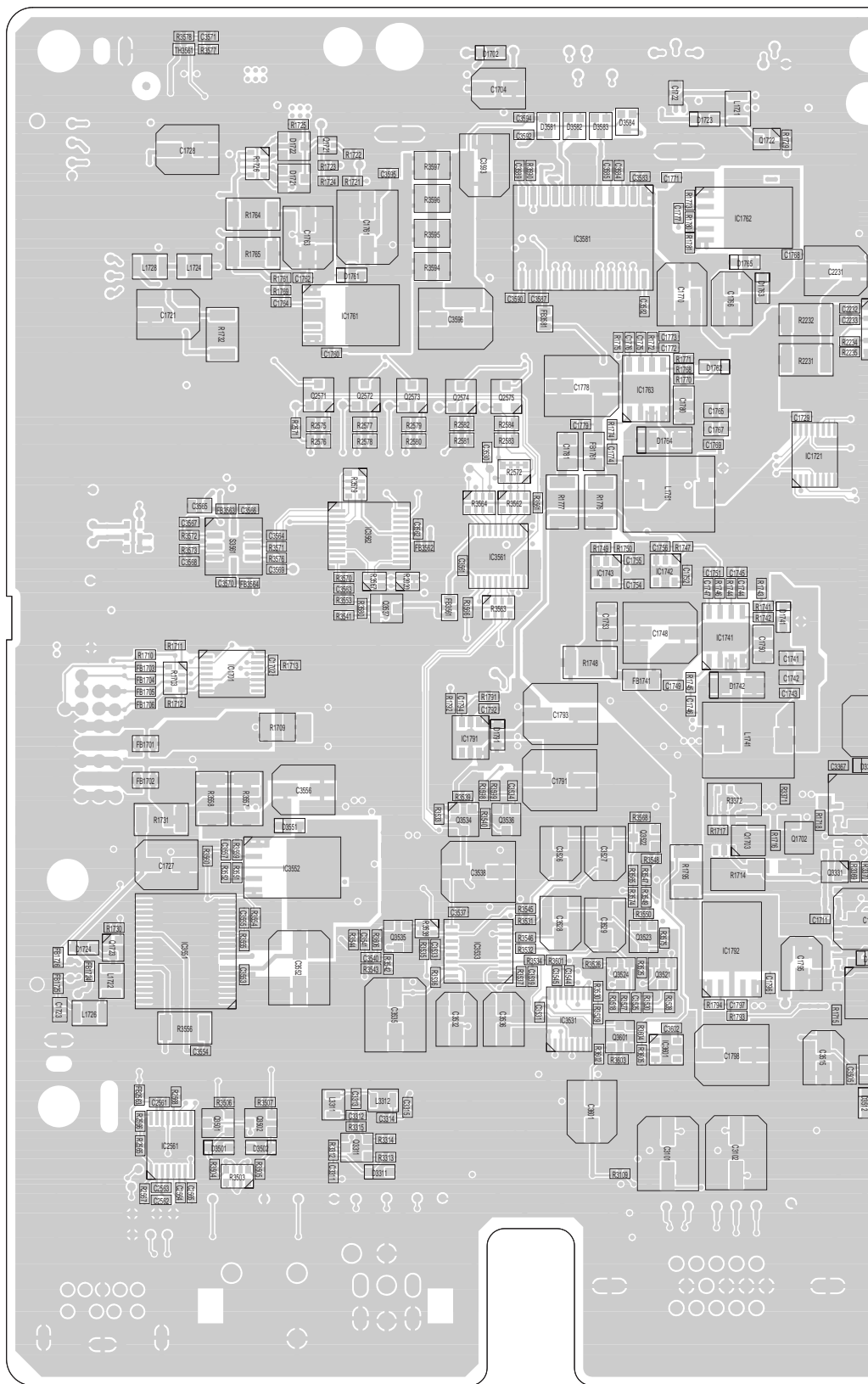
18

19

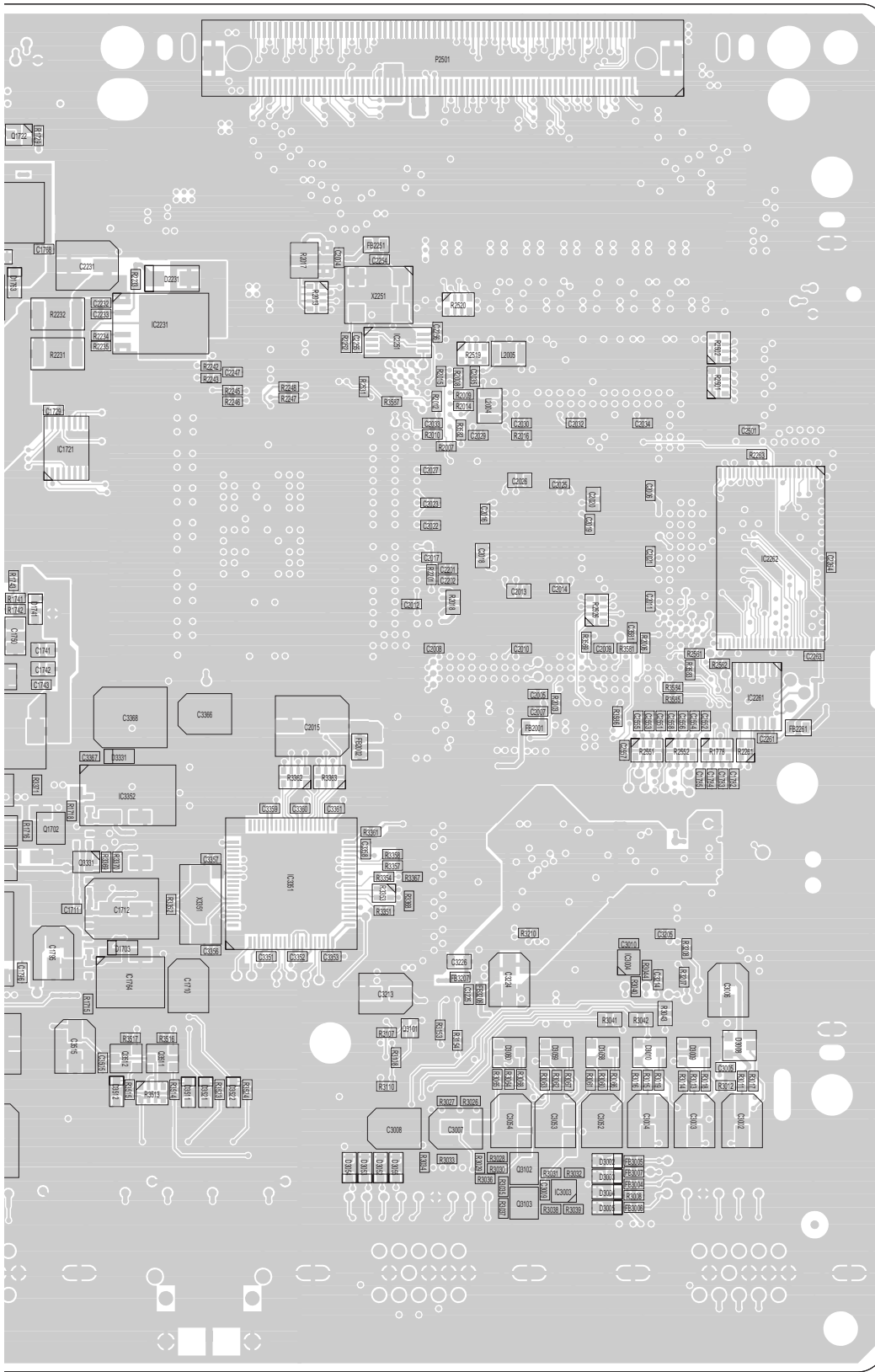




10	11	12	13	14	15	16	17	18	19
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MAIN Unit (Chip Parts Side-B)



10	11	12	13	14	15	16	17	18	19
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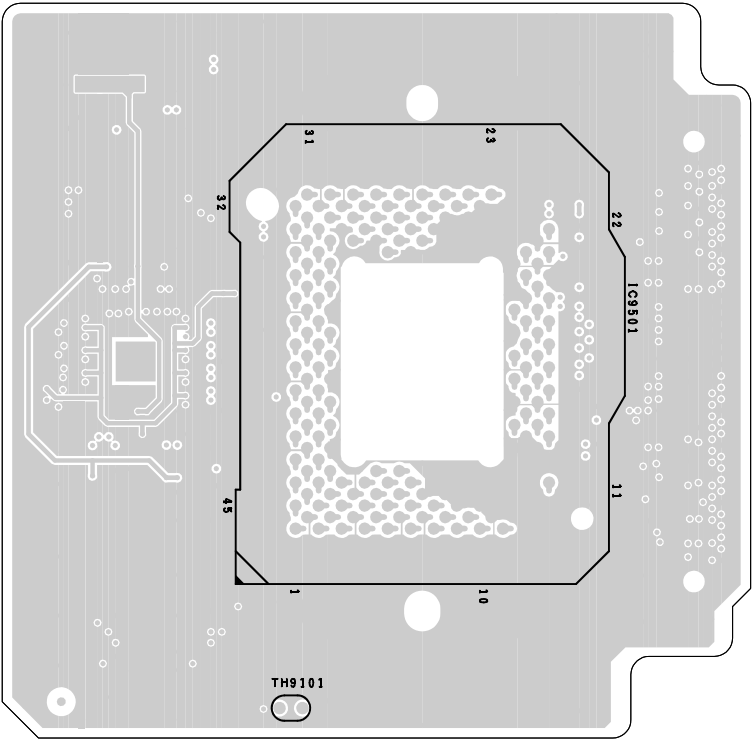
E

D

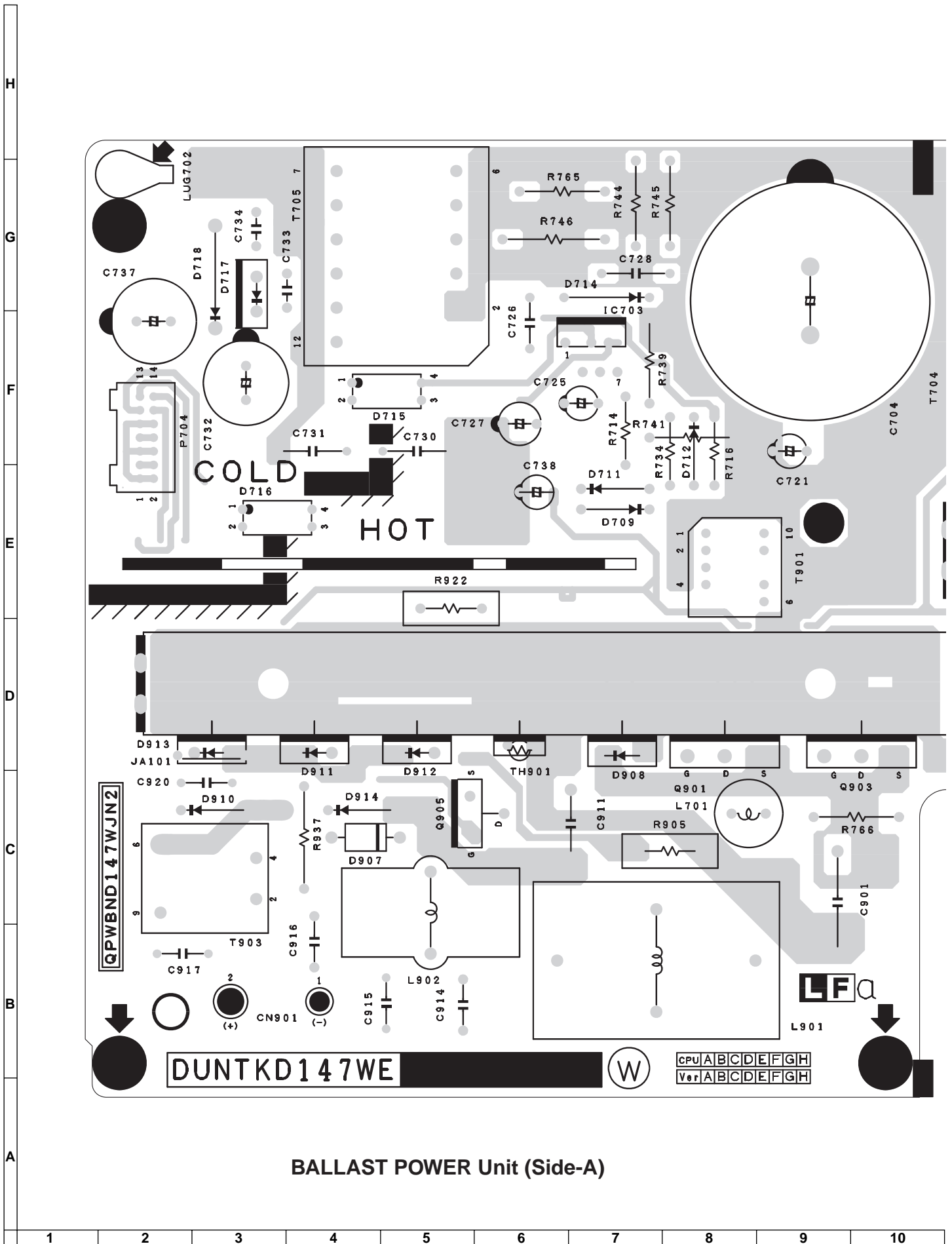
C

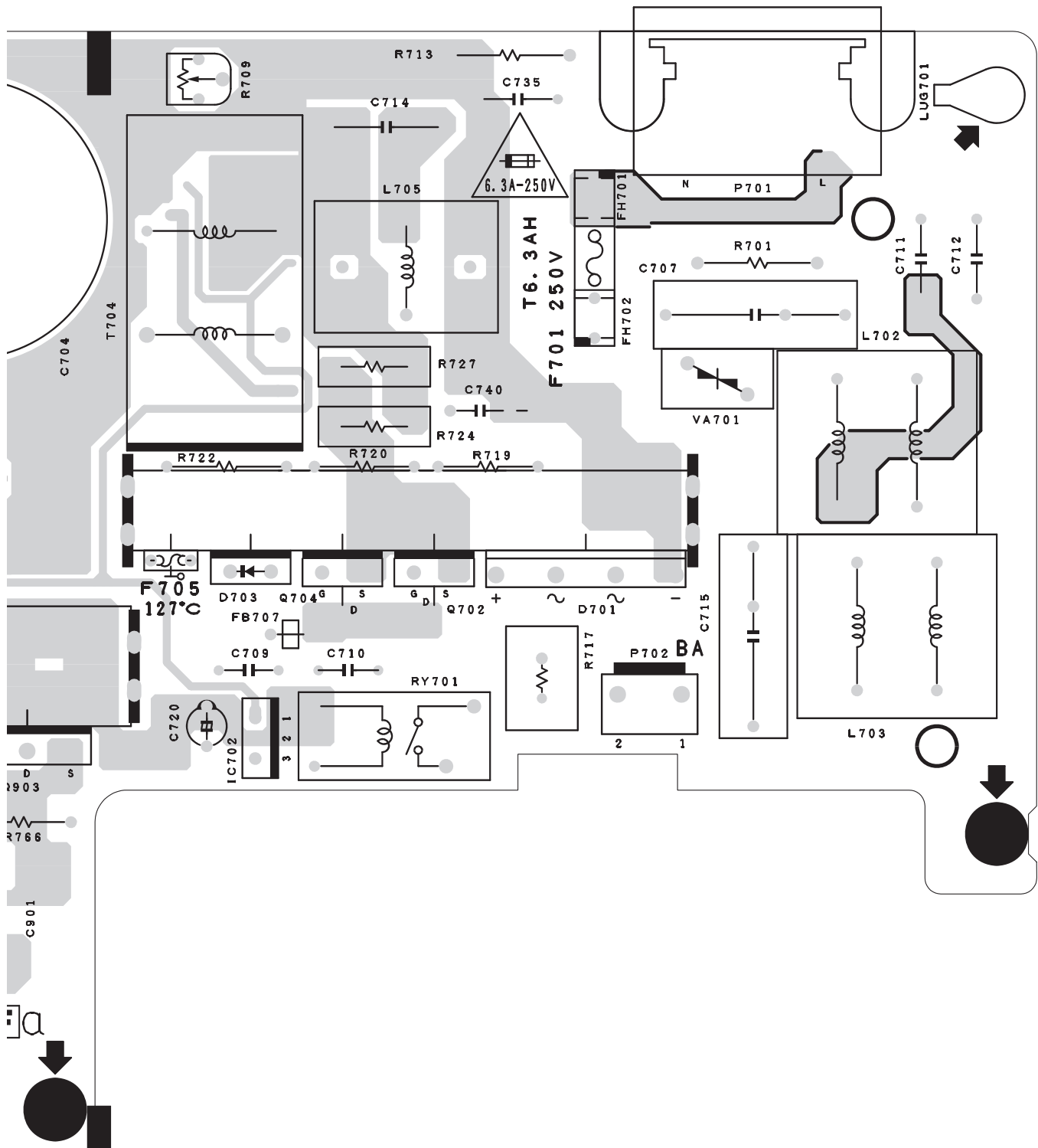
B

A



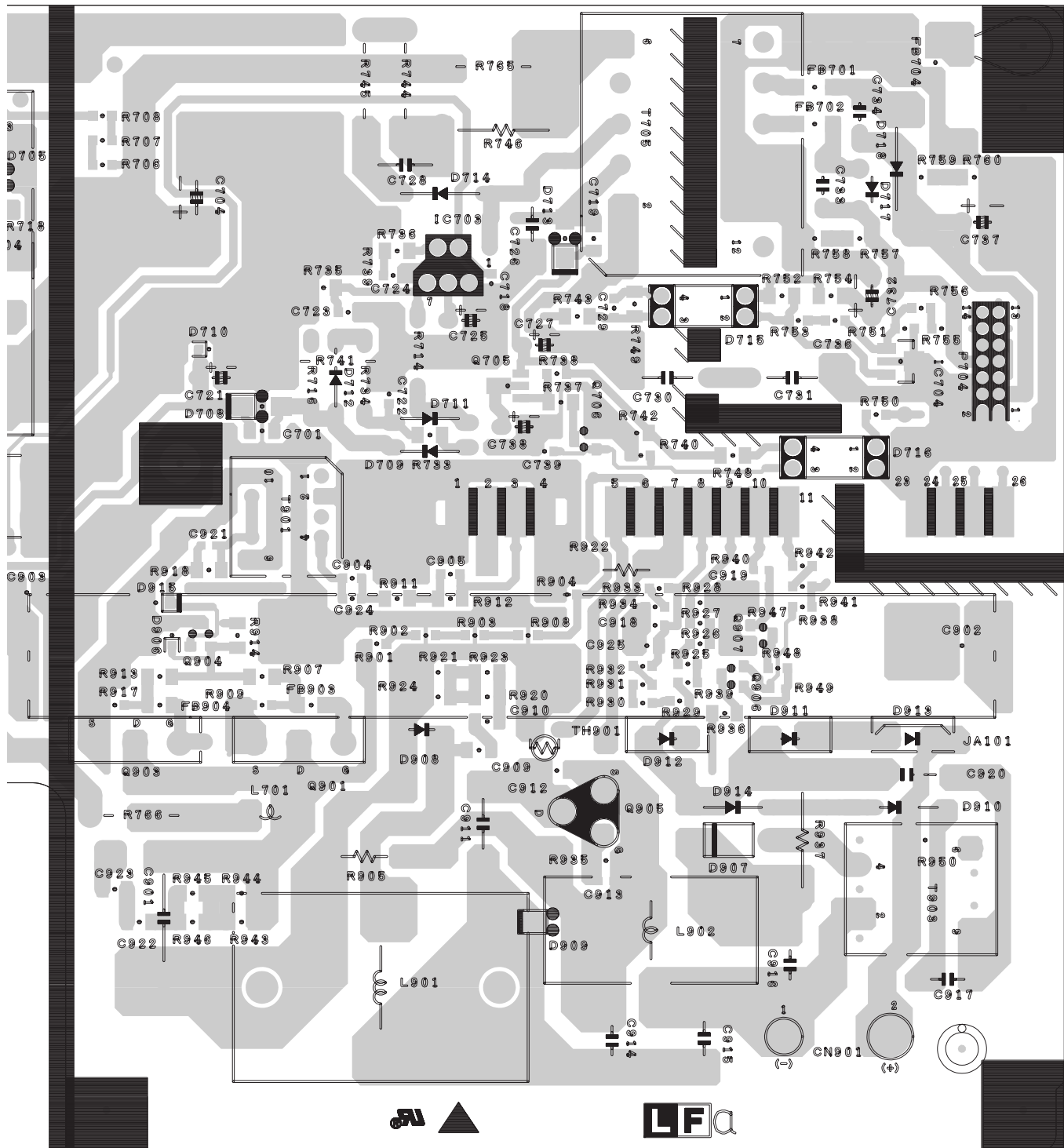
DMD Unit (Side-B)



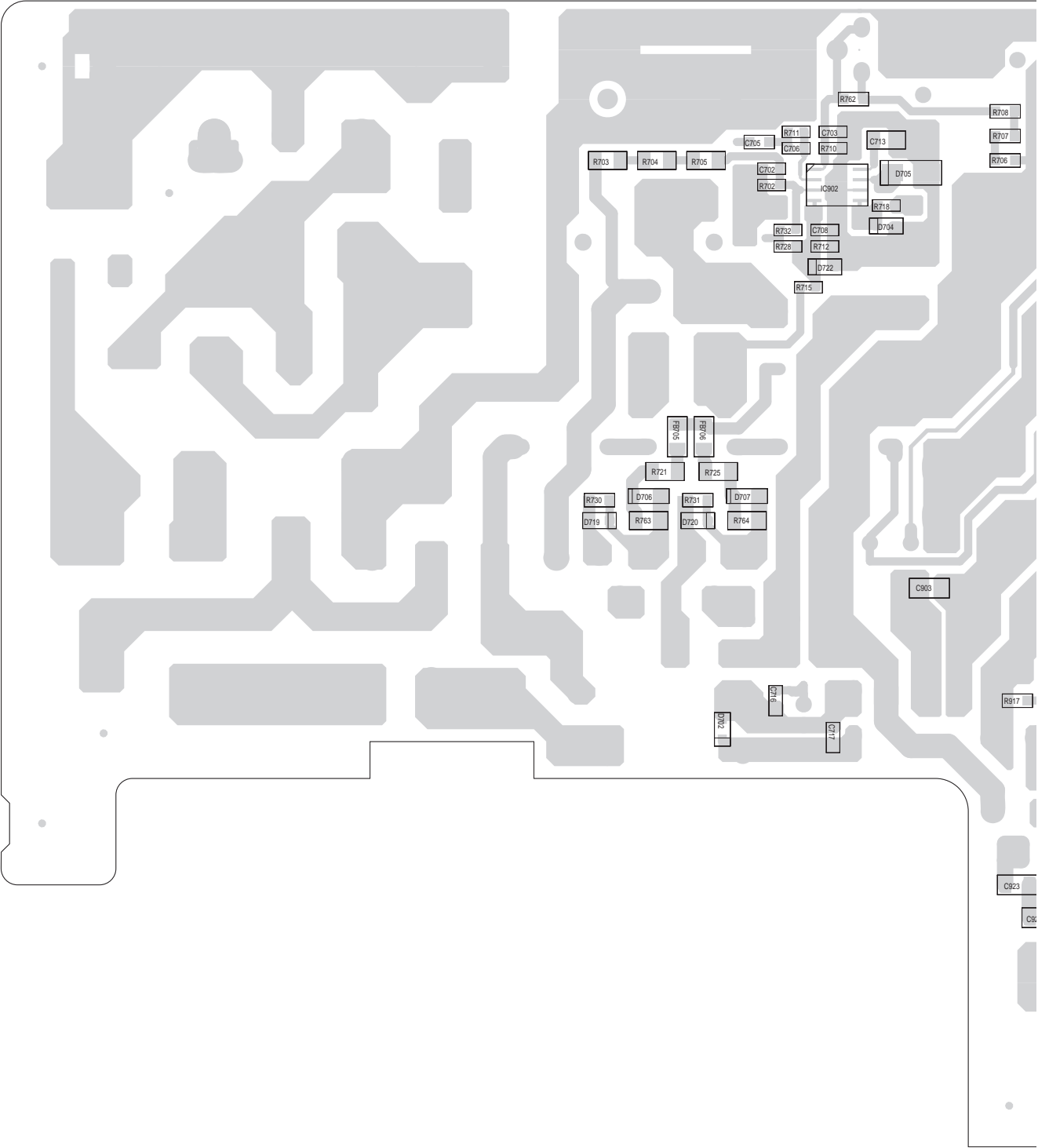




1	2	3	4	5	6	7	8	9	10
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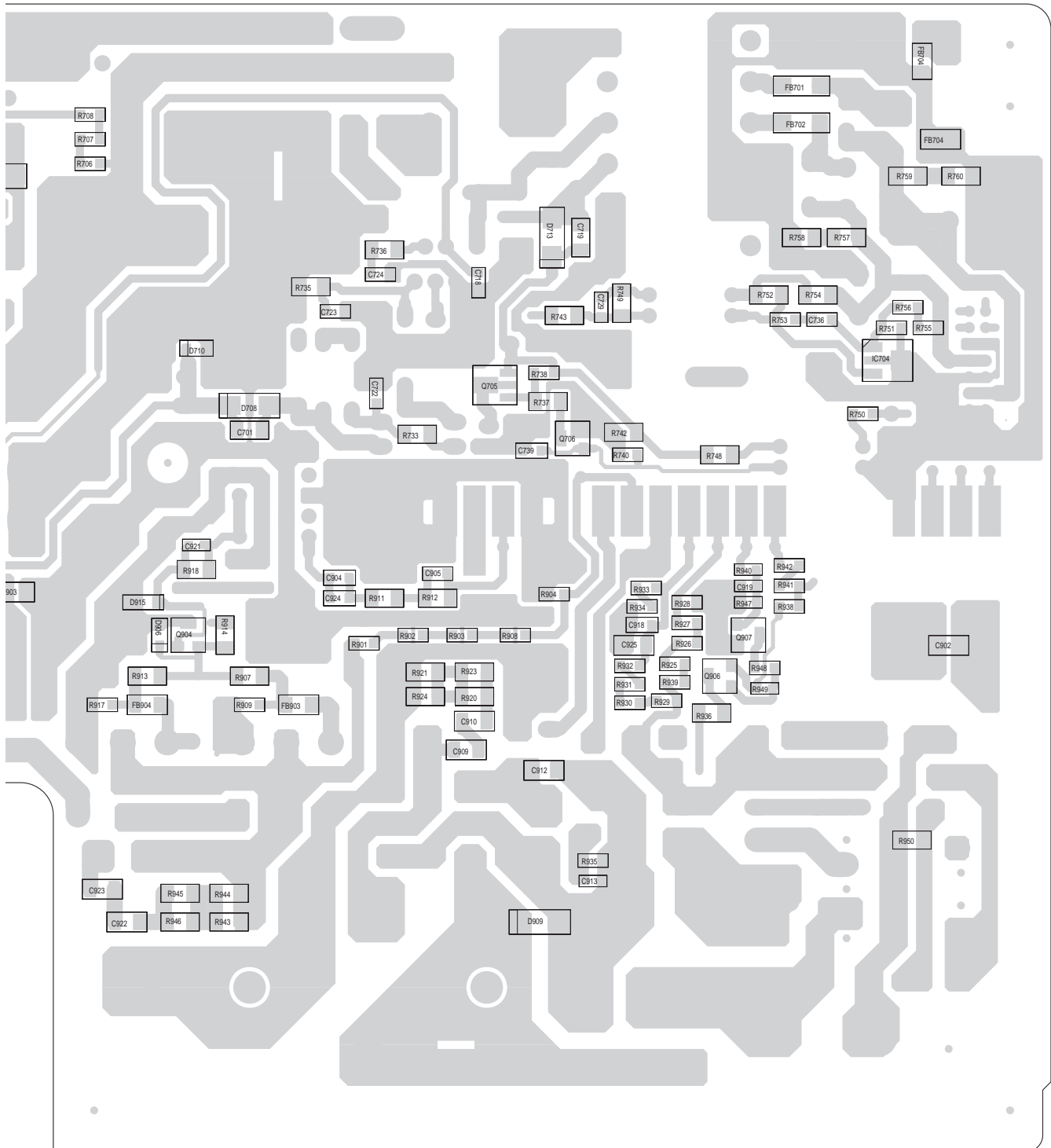


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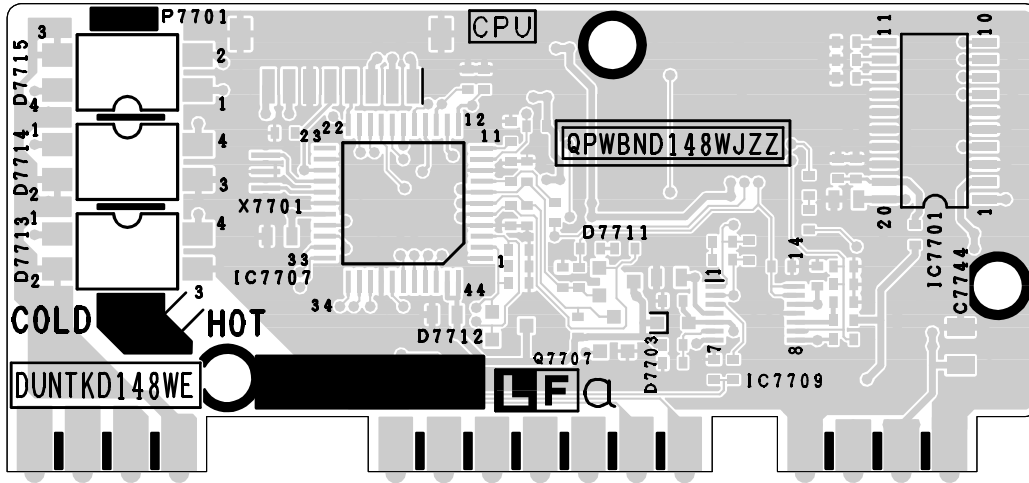


BALLAST POWER Unit (Chip Parts Side-B)

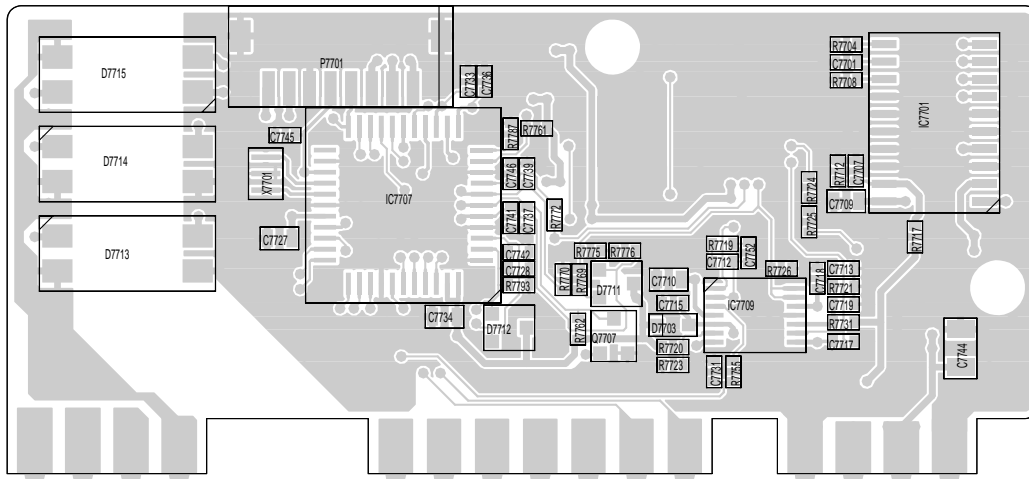
1 2 3 4 5 6 7 8 9 10



10	11	12	13	14	15	16	17	18	19
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BALLAST CONTROL Unit (Side-A)



BALLAST CONTROL Unit (Chip Parts Side-A)



E			
D			
C			
B			



	1	2	3	4	5	6
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H

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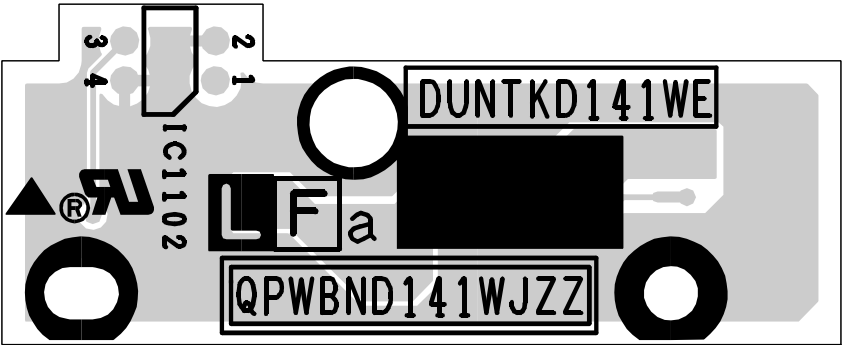
E

D

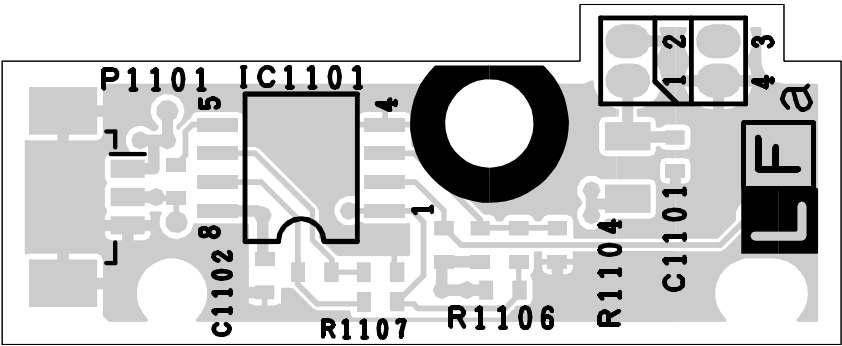
C

B

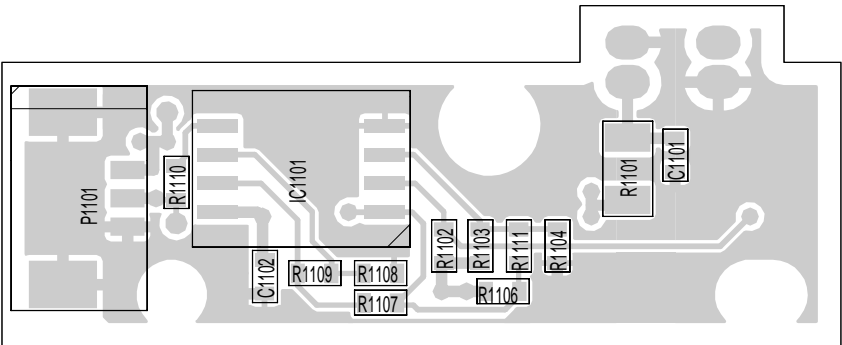
A



PHOTSENSOR Unit (Side-A)



PHOTSENSOR Unit (Side-B)



PHOTSENSOR Unit (Chip Parts Side-B)

1

2

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H

G

F

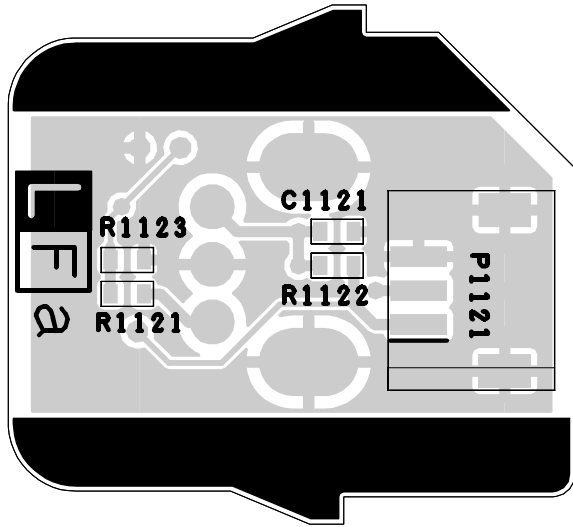
E

D

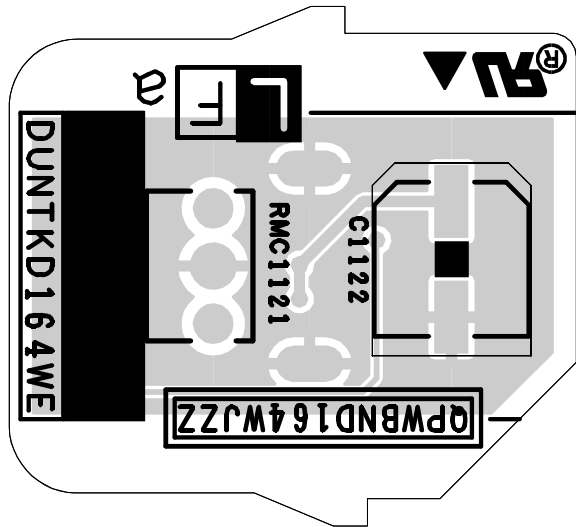
C

B

A



R/C Unit (Side-A)



R/C Unit (Side-B)

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PARTS LIST

PARTS REPLACEMENT

Parts marked with "▲" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

HOW TO ORDER REPLACEMENT PARTS

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |
| 5. CODE | 6. QUANTITY |

in **USA**: Contact your nearest SHARP Parts Distributor.
For location of SHARP Parts Distributor,
Please call Toll-Free; 1-800-BE-SHARP

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100.

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
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PRINTED WIRING BOARD ASSEMBLIES

DUNTKD139FMF7	J	MAIN Unit	CL
DUNTKD140WEF0	J	DMD Unit	BT
DUNTKD141WEF0	—	PHOTOSENSOR Unit	—
DSETUD147FMF9	J	BALLAST POWER Ass'y	CA
DUNTKD147WEF1	—	BALLAST POWER Unit	—
(Order the BALLAST POWER Ass'y (DSETUD147FMF9) when replacing the ballast power unit.)			
DUNTKD148WEF0	J	BALLAST CONTROL Unit	BE
DUNTKD164WEF0	—	R/C Unit	—

Ref. No.	Part No.	★	Description	Code
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DUNTKD139FMF7

MAIN UNIT

INTEGRATED CIRCUITS

IC1701	VHiAHCT08PH-1Y	J	74AHCT08PW	AE
IC1721	VHiLV4053AT-1Y	J	SN74LV4053APWR	AE
IC1741	VHiMP1580HS-1Y	J	MP1580HS-LF-Z	AL
IC1742	VHiBD5246G+-1Y	J	BD5246G-TR	AE
IC1743	VHiBD5246G+-1Y	J	BD5246G-TR	AE
IC1761	VHiPQ120DNA-1Y	J	PQ120DNA1ZPH	AG
IC1762	VHiPQ070XN1-1Y	J	PQ070XN01ZPH	AG
IC1763	VHiMP1580HS-1Y	J	MP1580HS-LF-Z	AL
IC1791	VHiPQ1K503M-1Y	J	PQ1K503M2ZP	AF
IC1792	VHiPQ033DZ1-1Y	J	PQ033DZ01ZP	AE
IC2001	VHiBU4213G+-1Y	J	BU4213G-TR	AD
IC2002	RH-IXA806WJN1Q	J	2504504-0005	CB
IC2201	VHiK4R271F8-1Q	J	K4R271669F-TCS	BG
IC2231	VHiPQ018EN5-1Y	J	PQ018EN5MZPH	AG
IC2241	VHiW134MSQC-1Y	J	IC	AP
IC2261	VHiBR24L32F-1Y	J	BR24L32F-WE2	AG
IC2262	RH-IXB594WJZZQ	J	IXB594WJ	BE
IC2263	VHiCY62146V-1Y	J	IC	BA
IC2561	VHiSL83220-1Y	J	ISL83220ECVZ	AQ
IC3001	RH-IXB589WJZZS	J	IXB589WJ	AN
IC3002	VHiEL8302IU-1Y	J	EL8302IUZ	AT
IC3003	VHi7SB3157P-1Y	J	NC7SB3157P6X	AE
IC3004	VHi7SB3157P-1Y	J	NC7SB3157P6X	AE
IC3051	RH-IXB589WJZZS	J	IXB589WJ	AN
IC3052	VHiEL8302IU-1Y	J	EL8302IUZ	AT
IC3101	VHiVHCT125A-1Y	J	TC74VHCT125AFT	AE
IC3102	VHiSN2G32CT-1Y	J	SN74AHC2G32HDC	AE
IC3152	VHiLCX157MT-1Y	J	74LCX157MTCX	AE
IC3201	VHiMST3583+-1Q	J	MST3583-LF-110	AZ
IC3351	VHiTVP5146P-1Q	J	TVP5146PFP	BG
IC3352	VHiPQ1K183M-1Y	J	PQ1K183M2ZPH	AF
IC3531	VHiLV4053AT-1Y	J	SN74LV4053APWR	AE
IC3533	VHiBA3530FS-1Y	J	BA3530FS-E1	AM
IC3551	VHiDA7056AT-1Y	J	TDA7056AT/N2	AM
IC3552	VHiPQ200WNA-1Y	J	PQ200WNA1ZPH	AG
IC3561	VHiMB8346BV-1Y	J	MB88346BPFV	AN
IC3562	RH-IXA966WJZZY	J	PIC16LF819-I/S	AZ
IC3581	VHiA8904SLB-1Y	J	A8904SLB	BE

TRANSISTORS

Q1721	VS2DTA114EE/-1Y	J	DTA114EE	AB
Q1722	VSMCH3405++-1Y	J	MCH3405	AD
Q1723	VSMCH3405++-1Y	J	MCH3405	AD
Q1724	VSMCH3405++-1Y	J	MCH3405	AD
Q1725	VSMCH3405++-1Y	J	MCH3405	AD
Q2531	VSNDS332P/-1Y	J	NDS332P	AD
Q2571	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2572	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2573	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2574	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2575	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q3101	VSDTC114EE/-1Y	J	DTC114EE	AB
Q3102	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3103	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3301	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3311	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3321	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3501	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3502	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3511	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3512	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3521	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3524	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3534	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q3535	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3536	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q3601	VS2SC3928AR-1Y	J	2SC3928AR	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKD139FMF7					PACKAGED CIRCUITS				
MAIN UNIT (Continued)					X2251	RCRUAA033WJZZY	J	Packaged Circuit	AQ
					X3351	RCRSC0170TAZZY	J	Crystal	AG
DIODES					COILS				
D1721	VHDDAN202K/-1Y	J	DAN202K	AB	L1721	VPCUN330K1R4NY	J	Peaking 33μH	AC
D1722	VHDDAN202K/-1Y	J	DAN202K	AB	L1722	VPCUN150KR63NY	J	Peaking 15μH	AC
D1723	VHDBRB551V30-1Y	J	RB551V30	AC	L1723	VPCUN150KR63NY	J	Peaking 15μH	AC
D1724	VHDBRB551V30-1Y	J	RB551V30	AC	L1724	VPCUN150KR63NY	J	Peaking 15μH	AC
D1725	VHDBRB551V30-1Y	J	RB551V30	AC	L1726	VPCUN150KR63NY	J	Peaking 15μH	AC
D1726	VHDBRB551V30-1Y	J	RB551V30	AC	L1727	VPCUN150KR63NY	J	Peaking 15μH	AC
D1730	VHDBRB551V30-1Y	J	RB551V30	AC	L1728	VPCUN150KR63NY	J	Peaking 15μH	AC
D1731	VHDBRB551V30-1Y	J	RB551V30	AC	L1741	RCILPA213WJZZY	J	Coil	AG
D1732	VHDBRB551V30-1Y	J	RB551V30	AC	L1761	RCILPA214WJZZY	J	Coil	AG
D1733	VHDBRB551V30-1Y	J	RB551V30	AC	L2004	VPCUN2R2MR16NY	J	Peaking 2.2μH	AC
D1741	RH-EX1224CEZZY	J	Zener Diode, 2V	AB	L2005	VPCUN2R2MR16NY	J	Peaking 2.2μH	AC
D1742	VHDSFPA73//2EY	J	SFPA73	AD	L3301	VPD9M1R0JR57NY	J	Peaking 1μH	AB
D1761	VHDHSU119//1Y	J	HSU119	AB	L3302	VPD9M1R8JR84NY	J	Peaking 1.8μH	AC
D1762	RH-EX1234CEZZY	J	Zener Diode, 3.6V	AE	L3311	VPD9M1R0JR57NY	J	Peaking 1μH	AB
D1764	VHDSFPA73//2EY	J	SFPA73	AD	L3312	VPD9M1R8JR84NY	J	Peaking 1.8μH	AC
D1765	VHDHSU119//1Y	J	HSU119	AB	L3321	VPD9M1R0JR57NY	J	Peaking 1μH	AB
D1791	VHDHSU119//1Y	J	HSU119	AB	L3322	VPD9M1R8JR84NY	J	Peaking 1.8μH	AC
D2531	VHDMA3120WA-1Y	J	MA3120WA	AD	CAPACITORS				
D2532	VHDMA3120WA-1Y	J	MA3120WA	AD	C1701	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D2561	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	C1702	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D2562	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	C1703	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D2563	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	C1704	VCEAPF1CW106MY	J	10 16V Electrolytic	AB
D2564	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	C1705	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D2571	RH-PXA097WJZZY	J	KPH-1608EC	AC	C1721	VCEAPF1EW106MY	J	10 25V Electrolytic	AC
D2572	RH-PXA038WJZZY	J	Photo Diode	AC	C1722	RC-KZA066WJZZY	J	1 25V Ceramic	AB
D2573	RH-PXA038WJZZY	J	Photo Diode	AC	C1723	RC-KZA066WJZZY	J	1 25V Ceramic	AB
D3001	VHDHSU119//1Y	J	HSU119	AB	C1724	RC-KZA066WJZZY	J	1 25V Ceramic	AB
D3002	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1725	RC-KZA066WJZZY	J	1 25V Ceramic	AB
D3003	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1726	VCEAPF1EW106MY	J	10 25V Electrolytic	AC
D3005	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1727	VCEAPF1EW106MY	J	10 25V Electrolytic	AC
D3006	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1728	VCEAPF1EW106MY	J	10 25V Electrolytic	AC
D3007	VHDHSU119//1Y	J	HSU119	AB	C1729	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3008	VHDKDS226//1Y	J	KDS226	AB	C1741	RC-KZA101WJZZY	J	10 6.3V Ceramic	AC
D3009	VHDKDS226//1Y	J	KDS226	AB	C1742	RC-KZA101WJZZY	J	10 6.3V Ceramic	AC
D3010	VHDKDS226//1Y	J	KDS226	AB	C1743	VCKYCY1AB105KY	J	1 10V Ceramic	AB
D3015	VHDKDS226//1Y	J	KDS226	AB	C1745	VCKYCY1HB332KY	J	3300p 50V Ceramic	AA
D3016	VHDKDS226//1Y	J	KDS226	AB	C1746	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
D3017	VHDHSU119//1Y	J	HSU119	AB	C1748	VCAAPD1AJ686MY	J	68 10V Electrolytic	AE
D3051	VHDHSU119//1Y	J	HSU119	AB	C1749	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3052	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1750	RC-KZA041WJZZY	J	10 10V Ceramic	AC
D3053	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1751	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
D3055	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1752	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
D3056	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1753	RC-KZA041WJZZY	J	10 10V Ceramic	AC
D3058	VHDKDS226//1Y	J	KDS226	AB	C1754	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
D3059	VHDKDS226//1Y	J	KDS226	AB	C1755	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3060	VHDKDS226//1Y	J	KDS226	AB	C1760	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3065	VHDKDS226//1Y	J	KDS226	AB	C1761	VCEAPF1CW336MY	J	33 16V Electrolytic	AD
D3066	VHDKDS226//1Y	J	KDS226	AB	C1762	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3067	VHDHSU119//1Y	J	HSU119	AB	C1763	VCEAPF1EW106MY	J	10 25V Electrolytic	AC
D3101	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1764	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
D3102	VHDKDS226//1Y	J	KDS226	AB	C1765	RC-KZA101WJZZY	J	10 6.3V Ceramic	AC
D3103	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1766	VCEAPF0JW226MY	J	22 6.3V Electrolytic	AB
D3104	VHDKDS226//1Y	J	KDS226	AB	C1767	RC-KZA101WJZZY	J	10 6.3V Ceramic	AC
D3105	VHDKDS226//1Y	J	KDS226	AB	C1768	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3301	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1769	VCKYCY1AB105KY	J	1 10V Ceramic	AB
D3311	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1770	VCEASH0JN476MY	J	47 6.3V Electrolytic	AC
D3321	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1771	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3501	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1773	VCKYCY1HB152KY	J	1500p 50V Ceramic	AA
D3502	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1774	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3511	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1775	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
D3512	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1778	VCAAPD1AJ686MY	J	68 10V Electrolytic	AE
D3521	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1779	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3522	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C1780	RC-KZA041WJZZY	J	10 10V Ceramic	AC
D3551	VHDHSU119//1Y	J	HSU119	AB	C1781	RC-KZA041WJZZY	J	10 10V Ceramic	AC
D3552	RH-EX1265CEZZY	J	Zener Diode, 10V	AB	C1782	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
D3553	RH-EX1265CEZZY	J	Zener Diode, 10V	AB	C1783	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
D3581	VHDBAT54SWT-1Y	J	BAT54SWT	AC	C1784	VCCCCY1HH220JY	J	22p 50V Ceramic	AA
D3582	VHDBAT54SWT-1Y	J	BAT54SWT	AC	C1785	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D3583	VHDBAT54SWT-1Y	J	BAT54SWT	AC	C1791	VCEAPF1CW336MY	J	33 16V Electrolytic	AD
D3584	VHDBAT54SWT-1Y	J	BAT54SWT	AC					

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKD139FMF7									
MAIN UNIT (Continued)									
C1792	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2263	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1793	VCEAPF1CW336MY	J 33	16V Electrolytic	AD	C2264	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1794	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C2551	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C1795	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	C2552	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C1796	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2553	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C1797	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C2554	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C1798	VCEAPF1CW336MY	J 33	16V Electrolytic	AD	C2555	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C2001	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2556	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C2002	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	C2557	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C2003	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2561	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2004	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2562	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2006	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2563	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2007	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2564	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2009	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2565	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2010	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3001	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2012	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3002	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2014	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3003	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2015	VCEAPF0JW107MY	J 100	6.3V Electrolytic	AC	C3004	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2016	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3005	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2018	RC-KZA101WJZZY	J 10	6.3V Ceramic	AC	C3006	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2019	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3007	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2020	RC-KZA101WJZZY	J 10	6.3V Ceramic	AC	C3008	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2021	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3009	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2022	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3010	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2025	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3051	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2027	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3052	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2028	RC-KZA101WJZZY	J 10	6.3V Ceramic	AC	C3053	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2030	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3054	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2031	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3055	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2032	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3057	RC-KZA101WJZZY	J 10	6.3V Ceramic	AC
C2033	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3101	VCEAPF0JW227MY	J 220	6.3V Electrolytic	AD
C2034	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3102	VCEAPF0JW227MY	J 220	6.3V Electrolytic	AD
C2035	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3103	VCEAPF0JW227MY	J 220	6.3V Electrolytic	AD
C2201	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3104	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2202	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3151	VCCCCY1HH820JY	J 82p	50V Ceramic	AA
C2203	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3152	VCCCCY1HH820JY	J 82p	50V Ceramic	AA
C2204	VCSNDE0GP107MY	J 100	4V Tantalum	AF	C3153	VCCCCY1HH221JY	J 220p	50V Ceramic	AA
C2205	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3154	VCCCCY1HH221JY	J 220p	50V Ceramic	AA
C2206	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3201	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C2207	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3202	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C2208	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3203	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C2209	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3205	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2210	VCSNDE0GP107MY	J 100	4V Tantalum	AF	C3206	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C2211	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3207	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB
C2212	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3208	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C2213	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3209	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C2214	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3210	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2215	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3211	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2216	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3213	VCEAPF0JW226MY	J 22	6.3V Electrolytic	AB
C2217	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3216	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2218	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3217	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2219	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3218	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2220	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3219	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2221	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3220	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2222	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3221	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2223	VCSNDE0GP107MY	J 100	4V Tantalum	AF	C3222	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2231	VCEASH0JN476MY	J 47	6.3V Electrolytic	AC	C3223	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2232	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3225	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2241	RC-KZA101WJZZY	J 10	6.3V Ceramic	AC	C3226	RC-KZA101WJZZY	J 10	6.3V Ceramic	AC
C2242	VCKYCY1HF103ZY	J 0.01	50V Ceramic	AA	C3227	RC-KZA101WJZZY	J 10	6.3V Ceramic	AC
C2245	VCKYCY1HF103ZY	J 0.01	50V Ceramic	AA	C3301	VCEAPF1CW226MY	J 22	16V Electrolytic	AB
C2246	VCKYCY1HF103ZY	J 0.01	50V Ceramic	AA	C3302	VCCCCY1HH151JY	J 150p	50V Ceramic	AA
C2247	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	C3303	VCCCCY1HH681JY	J 680p	50V Ceramic	AB
C2248	VCCCCY1HH4R0CY	J 4p	50V Ceramic	AA	C3304	VCCCCY1HH681JY	J 680p	50V Ceramic	AB
C2250	VCCCCY1HH101JY	J 100p	50V Ceramic	AA	C3306	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2251	VCKYCY1HF103ZY	J 0.01	50V Ceramic	AA	C3311	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2252	VCKYCY1HF103ZY	J 0.01	50V Ceramic	AA	C3312	VCCCCY1HH151JY	J 150p	50V Ceramic	AA
C2253	VCKYCY1HF103ZY	J 0.01	50V Ceramic	AA	C3313	VCCCCY1HH681JY	J 680p	50V Ceramic	AB
C2254	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3314	VCCCCY1HH681JY	J 680p	50V Ceramic	AB
C2261	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C3315	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2262	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	C3321	VCEAPF1CW226MY	J 22	16V Electrolytic	AB
					C3322	VCCCCY1HH151JY	J 150p	50V Ceramic	AA
					C3323	VCCCCY1HH681JY	J 680p	50V Ceramic	AB
					C3324	VCCCCY1HH681JY	J 680p	50V Ceramic	AB
					C3326	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKD139FMF7					RESISTORS				
MAIN UNIT (Continued)									
C3351	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1702	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3352	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1703	VRS-CH1JF100JY	J 10	1/16W Metal Oxide	AA
C3353	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1704	VRS-CY1JF100JY	J 10	1/16W Metal Oxide	AA
C3354	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1705	VRS-CY1JF100JY	J 10	1/16W Metal Oxide	AA
C3355	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1706	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3356	VCCCCY1HH220JY	J 22p	50V Ceramic	AA	R1707	VRS-CY1JF223JY	J 22k	1/16W Metal Oxide	AA
C3357	VCCCCY1HH220JY	J 22p	50V Ceramic	AA	R1708	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
C3358	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1709	VRS-TW2ED000JY	J 0	1/4W Metal Oxide	AB
C3359	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1710	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3360	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1721	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
C3361	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1722	VRS-CY1JF622JY	J 6.2k	1/16W Metal Oxide	AA
C3366	VCEAPF0JW226MY	J 22	6.3V Electrolytic	AB	R1723	VRS-CY1JF122JY	J 1.2k	1/16W Metal Oxide	AA
C3367	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1724	VRS-CY1JF392JY	J 3.9k	1/16W Metal Oxide	AA
C3368	VCEAPF0JW226MY	J 22	6.3V Electrolytic	AB	R1725	VRS-CY1JF563JY	J 56k	1/16W Metal Oxide	AA
C3369	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	R1726	VRS-CH1JF562JY	J 5.6k	1/16W Metal Oxide	AB
C3370	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	R1727	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3501	VCCCCY1HH101JY	J 100p	50V Ceramic	AA	R1728	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3502	VCCCCY1HH101JY	J 100p	50V Ceramic	AA	R1729	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3503	VCEAPF1HW105MY	J 1	50V Electrolytic	AB	R1730	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3504	VCEAPF1HW105MY	J 1	50V Electrolytic	AB	R1731	VRS-TX2HF000JY	J 0	1/2W Metal Oxide	AB
C3505	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1732	VRS-TX2HF000JY	J 0	1/2W Metal Oxide	AB
C3506	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	R1741	VRS-CY1JF123FY	J 12k	1/16W Metal Oxide	AA
C3513	VCEAPF1HW105MY	J 1	50V Electrolytic	AB	R1742	VRS-CY1JF222FY	J 2.2k	1/16W Metal Oxide	AA
C3514	VCEAPF1HW105MY	J 1	50V Electrolytic	AB	R1743	VRS-CY1JF822FY	J 8.2k	1/16W Metal Oxide	AA
C3515	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	R1744	VRS-CY1JF472JY	J 4.7k	1/16W Metal Oxide	AA
C3523	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	R1745	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C3524	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	R1746	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3531	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1747	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3532	VCEAPF1HW105MY	J 1	50V Electrolytic	AB	R1748	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
C3533	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1749	VRS-CY1JF473FY	J 47k	1/16W Metal Oxide	AA
C3535	VCEAPF0JW107MY	J 100	6.3V Electrolytic	AC	R1750	VRS-CY1JF392FY	J 3.9k	1/16W Metal Oxide	AA
C3536	VCEAPF1HW105MY	J 1	50V Electrolytic	AB	R1764	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
C3537	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1765	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
C3538	VCEAPF0JW227MY	J 220	6.3V Electrolytic	AD	R1768	VRS-CY1JF474FY	J 470k	1/16W Metal Oxide	AA
C3539	VCKYCY1AB105KY	J 1	10V Ceramic	AB	R1769	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3540	VCKYCY1AB105KY	J 1	10V Ceramic	AB	R1770	VRS-CY1JF273FY	J 27k	1/16W Metal Oxide	AA
C3541	VCKYCY1AB105KY	J 1	10V Ceramic	AB	R1771	VRS-CY1JF153FY	J 15k	1/16W Metal Oxide	AA
C3545	VCKYCY1AB105KY	J 1	10V Ceramic	AB	R1772	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3552	VCEAPF1CW107MY	J 100	16V Electrolytic	AC	R1773	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3553	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1774	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C3554	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1775	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3555	VCKYCY1AB105KY	J 1	10V Ceramic	AB	R1776	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
C3556	VCEAPF1EW106MY	J 10	25V Electrolytic	AC	R1777	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
C3557	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1778	VRS-CH1JF680JY	J 68	1/16W Metal Oxide	AA
C3561	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1779	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C3562	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1780	VRS-CY1JF102FY	J 1k	1/16W Metal Oxide	AA
C3563	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	R1781	VRS-CY1JF102FY	J 1k	1/16W Metal Oxide	AA
C3564	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1792	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3565	RC-KZA043WJZZY	J 10	6.3V Ceramic	AC	R1793	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3566	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R1795	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB
C3567	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R2001	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
C3569	VCKYCY1AB105KY	J 1	10V Ceramic	AB	R2002	VRS-CJ1JF101JY	J 100	1/16W Metal Oxide	AA
C3570	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R2003	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3571	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R2004	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C3572	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R2005	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C3581	VCKYCY1CB104KY	J 0.1	16V Ceramic	AB	R2006	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3582	VCKYCY1HB272KY	J 2700p	50V Ceramic	AA	R2008	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3583	VCKYCY1HB272KY	J 2700p	50V Ceramic	AA	R2009	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3584	VCKYCY1HB472KY	J 4700p	50V Ceramic	AA	R2010	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3585	VCKYCY1AB105KY	J 1	10V Ceramic	AB	R2012	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
C3586	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA	R2013	VRS-CH1JF103JY	J 10k	1/16W Metal Oxide	AA
C3587	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R2014	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
C3588	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA	R2015	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3589	VCKYCY1CF224ZY	J 0.22	16V Ceramic	AB	R2017	VRS-TW2ED000JY	J 0	1/4W Metal Oxide	AB
C3591	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA	R2018	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
C3593	VCEAPF1CW226MY	J 22	16V Electrolytic	AB	R2019	VRS-TW2ED000JY	J 0	1/4W Metal Oxide	AB
C3594	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R2020	VRS-CJ1JF332JY	J 3.3k	1/16W Metal Oxide	AA
C3595	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R2201	VRS-CY1JF111FY	J 110	1/16W Metal Oxide	AA
C3601	VCEAPF1CW226MY	J 22	16V Electrolytic	AB	R2202	VRS-CY1JF330FY	J 33	1/16W Metal Oxide	AA
					R2203	VRS-CY1JF121FY	J 120	1/16W Metal Oxide	AA
					R2204	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
					R2205	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA
					R2206	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA
					R2207	VRS-CH1JF390FY	J 39	1/16W Metal Oxide	AA
					R2208	VRS-CH1JF390FY	J 39	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKD139FMF7									
MAIN UNIT (Continued)									
R2209	VRS-CH1JF390FY	J 39	1/16W Metal Oxide	AA	R3006	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
R2210	VRS-CH1JF390FY	J 39	1/16W Metal Oxide	AA	R3007	VRS-CH1JF101JY	J 100	1/16W Metal Oxide	AA
R2211	VRS-CH1JF390FY	J 39	1/16W Metal Oxide	AA	R3008	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2212	VRS-CH1JF390FY	J 39	1/16W Metal Oxide	AA	R3009	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2213	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA	R3010	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2214	VRS-CY1JF390FY	J 39	1/16W Metal Oxide	AA	R3011	VRS-CY1JF393JY	J 39k	1/16W Metal Oxide	AA
R2231	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB	R3012	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2232	VRS-TX2HF1R0JY	J 1	1/2W Metal Oxide	AB	R3013	VRS-CY1JF393JY	J 39k	1/16W Metal Oxide	AA
R2233	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R3014	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2241	VRS-CY1JF111FY	J 110	1/16W Metal Oxide	AA	R3015	VRS-CY1JF393JY	J 39k	1/16W Metal Oxide	AA
R2242	VRS-CY1JF560FY	J 56	1/16W Metal Oxide	AA	R3016	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2243	VRS-CY1JF560FY	J 56	1/16W Metal Oxide	AA	R3017	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R2244	VRS-CY1JF111FY	J 110	1/16W Metal Oxide	AA	R3018	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R2245	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R3019	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R2246	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R3020	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2247	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R3021	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2248	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R3022	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2252	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R3023	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2261	VRS-CJ1JF101JY	J 100	1/16W Metal Oxide	AA	R3024	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2263	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R3025	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2503	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3026	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2504	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3028	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2505	VRS-CY1JF390JY	J 39	1/16W Metal Oxide	AA	R3029	VRS-CY1JF393JY	J 39k	1/16W Metal Oxide	AA
R2506	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3030	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R2507	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3031	VRS-CY1JF681JY	J 680	1/16W Metal Oxide	AA
R2508	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3032	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2509	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3033	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2510	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3035	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2511	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3036	VRS-CY1JF393JY	J 39k	1/16W Metal Oxide	AA
R2512	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3037	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R2513	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3038	VRS-CY1JF681JY	J 680	1/16W Metal Oxide	AA
R2514	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3039	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2515	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3040	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2516	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3041	VRS-TV1JD750FY	J 75	1/10W Metal Oxide	AA
R2517	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3042	VRS-TV1JD750FY	J 75	1/10W Metal Oxide	AA
R2518	VRS-CY1JF390JY	J 39	1/16W Metal Oxide	AA	R3043	VRS-TV1JD750FY	J 75	1/10W Metal Oxide	AA
R2521	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3044	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
R2522	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3051	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
R2523	VRS-CY1JF390JY	J 39	1/16W Metal Oxide	AA	R3052	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
R2524	VRS-CJ1JF390JY	J 39	1/16W Metal Oxide	AA	R3053	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
R2525	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3054	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2526	VRS-CH1JF390JY	J 39	1/16W Metal Oxide	AA	R3055	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2527	VRS-CY1JF390JY	J 39	1/16W Metal Oxide	AA	R3056	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
R2528	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R3057	VRS-CH1JF101JY	J 100	1/16W Metal Oxide	AA
R2529	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R3058	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2531	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R3059	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
R2532	VRS-CH1JF100JY	J 10	1/16W Metal Oxide	AA	R3060	VRS-CY1JF393JY	J 39k	1/16W Metal Oxide	AA
R2534	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA	R3061	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2535	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA	R3062	VRS-CY1JF393JY	J 39k	1/16W Metal Oxide	AA
R2551	VRS-CH1JF101JY	J 100	1/16W Metal Oxide	AA	R3063	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2552	VRS-CH1JF101JY	J 100	1/16W Metal Oxide	AA	R3064	VRS-CY1JF393JY	J 39k	1/16W Metal Oxide	AA
R2553	VRS-CH1JF103JY	J 10k	1/16W Metal Oxide	AA	R3065	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2554	VRS-CH1JF103JY	J 10k	1/16W Metal Oxide	AA	R3066	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R2561	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R3067	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R2562	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R3068	VRS-CY1JF470JY	J 47	1/16W Metal Oxide	AA
R2563	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R3069	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2564	VRS-CJ1JF101JY	J 100	1/16W Metal Oxide	AA	R3070	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2566	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R3071	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2567	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA	R3072	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2571	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA	R3073	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2572	VRS-CH1JF272JY	J 2.7k	1/16W Metal Oxide	AA	R3074	VRS-CY1JF331FY	J 330	1/16W Metal Oxide	AA
R2575	VRS-TV1JD681JY	J 680	1/10W Metal Oxide	AA	R3101	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R2578	VRS-TV1JD471JY	J 470	1/10W Metal Oxide	AA	R3102	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R2579	VRS-TV1JD681JY	J 680	1/10W Metal Oxide	AA	R3103	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
R2582	VRS-TV1JD471JY	J 470	1/10W Metal Oxide	AA	R3110	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
R2583	VRS-TV1JD681JY	J 680	1/10W Metal Oxide	AA	R3151	VRS-CJ1JF102JY	J 1k	1/16W Metal Oxide	AA
R3001	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA	R3152	VRS-CJ1JF102JY	J 1k	1/16W Metal Oxide	AA
R3002	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA	R3153	VRS-CY1JF102FY	J 1k	1/16W Metal Oxide	AA
R3003	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA	R3154	VRS-CY1JF102FY	J 1k	1/16W Metal Oxide	AA
R3004	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA	R3155	VRS-CY1JF680JY	J 68	1/16W Metal Oxide	AA
R3005	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA	R3156	VRS-CY1JF680JY	J 68	1/16W Metal Oxide	AA
					R3157	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
					R3158	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
					R3201	VRS-CJ1JF101JY	J 100	1/16W Metal Oxide	AA
					R3202	VRS-CJ1JF101JY	J 100	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKD139FMF7									
MAIN UNIT (Continued)									
R3203	VRS-CJ1JF101JY	J	100 1/16W	Metal Oxide AA	R3526	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA
R3204	VRS-CY1JF330JY	J	33 1/16W	Metal Oxide AA	R3529	VRS-CY1JF273FY	J	27k 1/16W	Metal Oxide AA
R3205	VRS-CY1JF330JY	J	33 1/16W	Metal Oxide AA	R3530	VRS-CY1JF123FY	J	12k 1/16W	Metal Oxide AA
R3206	VRS-CY1JF330JY	J	33 1/16W	Metal Oxide AA	R3531	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA
R3207	VRS-CY1JF102FY	J	1k 1/16W	Metal Oxide AA	R3532	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA
R3208	VRS-CY1JF102FY	J	1k 1/16W	Metal Oxide AA	R3534	VRS-CY1JF104JY	J	100k 1/16W	Metal Oxide AA
R3209	VRS-CJ1JF101JY	J	100 1/16W	Metal Oxide AA	R3535	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3210	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3536	VRS-CY1JF154JY	J	150k 1/16W	Metal Oxide AA
R3211	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3537	VRS-CY1JF154JY	J	150k 1/16W	Metal Oxide AA
R3212	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R3538	VRS-CJ1JF473JY	J	47k 1/16W	Metal Oxide AB
R3213	VRS-CH1JF101JY	J	100 1/16W	Metal Oxide AA	R3539	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3214	VRS-CY1JF391FY	J	390 1/16W	Metal Oxide AA	R3540	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA
R3215	VRS-CH1JF101JY	J	100 1/16W	Metal Oxide AA	R3542	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA
R3216	VRS-CH1JF101JY	J	100 1/16W	Metal Oxide AA	R3543	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3217	VRS-CH1JF101JY	J	100 1/16W	Metal Oxide AA	R3544	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R3218	VRS-CH1JF101JY	J	100 1/16W	Metal Oxide AA	R3551	VRS-CY1JF153FY	J	15k 1/16W	Metal Oxide AA
R3219	VRS-CH1JF101JY	J	100 1/16W	Metal Oxide AA	R3552	VRS-CY1JF622FY	J	6.2k 1/16W	Metal Oxide AA
R3220	VRS-CJ1JF101JY	J	100 1/16W	Metal Oxide AA	R3554	VRS-CY1JF223JY	J	22k 1/16W	Metal Oxide AA
R3221	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3555	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3222	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3556	VRS-TX2HF8R2JY	J	8.2 1/2W	Metal Oxide AB
R3223	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3557	VRS-TX2HF2R7JY	J	2.7 1/2W	Metal Oxide AB
R3224	VRS-CY1JF390JY	J	39 1/16W	Metal Oxide AA	R3558	VRS-TX2HF2R7JY	J	2.7 1/2W	Metal Oxide AB
R3301	VRS-TV1JD750FY	J	75 1/10W	Metal Oxide AA	R3559	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3302	VRS-CY1JF332JY	J	3.3k 1/16W	Metal Oxide AA	R3561	VRS-CY1JF182JY	J	1.8k 1/16W	Metal Oxide AA
R3303	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R3562	VRS-CH1JF182JY	J	1.8k 1/16W	Metal Oxide AB
R3304	VRS-CY1JF221JY	J	220 1/16W	Metal Oxide AA	R3563	VRS-CH1JF101JY	J	100 1/16W	Metal Oxide AA
R3305	VRS-CY1JF470JY	J	47 1/16W	Metal Oxide AA	R3564	VRS-CH1JF101JY	J	100 1/16W	Metal Oxide AA
R3306	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3566	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3311	VRS-TV1JD750FY	J	75 1/10W	Metal Oxide AA	R3567	VRS-CJ1JF101JY	J	100 1/16W	Metal Oxide AA
R3312	VRS-CY1JF332JY	J	3.3k 1/16W	Metal Oxide AA	R3569	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3313	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R3570	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA
R3314	VRS-CY1JF221JY	J	220 1/16W	Metal Oxide AA	R3571	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3315	VRS-CY1JF470JY	J	47 1/16W	Metal Oxide AA	R3572	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3321	VRS-TV1JD750FY	J	75 1/16W	Metal Oxide AA	R3576	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3322	VRS-CY1JF332JY	J	3.3k 1/16W	Metal Oxide AA	R3577	VRN-CY1JF472DY	J	4.7k 1/16W	Metal Film AA
R3323	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA	R3578	VRS-CY1JF184FY	J	180k 1/16W	Metal Oxide AA
R3324	VRS-CY1JF221JY	J	220 1/16W	Metal Oxide AA	R3579	VRS-CH1JF103JY	J	10k 1/16W	Metal Oxide AA
R3325	VRS-CY1JF470JY	J	47 1/16W	Metal Oxide AA	R3580	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R3326	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3581	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3351	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3582	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3352	VRS-CY1JF104FY	J	100k 1/16W	Metal Oxide AA	R3583	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3353	VRS-CJ1JF100JY	J	10 1/16W	Metal Oxide AA	R3584	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3355	VRS-CY1JF223JY	J	22k 1/16W	Metal Oxide AA	R3585	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3356	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA	R3586	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3357	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3587	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R3358	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3588	VRS-TW2HF151JY	J	150 1/2W	Metal Oxide AA
R3361	VRS-CY1JF220JY	J	22 1/16W	Metal Oxide AA	R3589	VRS-TW2HF151JY	J	150 1/2W	Metal Oxide AA
R3362	VRS-CH1JF220JY	J	22 1/16W	Metal Oxide AA	R3590	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA
R3363	VRS-CH1JF220JY	J	22 1/16W	Metal Oxide AA	R3591	VRS-TW2HF151JY	J	150 1/2W	Metal Oxide AA
R3364	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3593	VRS-CY1JF683JY	J	68k 1/16W	Metal Oxide AA
R3365	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3594	VRS-TW2ED000JY	J	0 1/4W	Metal Oxide AB
R3366	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3598	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3367	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R3599	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3501	VRS-CY1JF224JY	J	220k 1/16W	Metal Oxide AA	R3601	VRS-CY1JF562JY	J	5.6k 1/16W	Metal Oxide AA
R3502	VRS-CY1JF224JY	J	220k 1/16W	Metal Oxide AA	R3602	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3503	VRS-CH1JF104JY	J	100k 1/16W	Metal Oxide AA	R3603	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R3504	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R3606	VRS-CY1JF681JY	J	680 1/16W	Metal Oxide AA
R3505	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	MISCELLANEOUS PARTS				
R3506	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	FB1701	RBLN-A213WJZZY	J	Ferrite Bead, BLN-A213WJ	AB
R3507	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	FB1702	RBLN-A213WJZZY	J	Ferrite Bead, BLN-A213WJ	AB
R3511	VRS-CY1JF224JY	J	220k 1/16W	Metal Oxide AA	FB1703	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
R3512	VRS-CY1JF224JY	J	220k 1/16W	Metal Oxide AA	FB1704	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
R3513	VRS-CH1JF104JY	J	100k 1/16W	Metal Oxide AA	FB1705	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
R3514	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	FB1706	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
R3515	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	FB1707	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
R3516	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	FB1708	RBLN-A042WJZZY	J	Ferrite Bead, BLN-A042WJ	AB
R3517	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	FB1709	RBLN-A042WJZZY	J	Ferrite Bead, BLN-A042WJ	AB
R3521	VRS-CY1JF224JY	J	220k 1/16W	Metal Oxide AA	FB1710	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
R3522	VRS-CY1JF224JY	J	220k 1/16W	Metal Oxide AA	FB1711	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
R3523	VRS-CY1JF681JY	J	680 1/16W	Metal Oxide AA	FB1721	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
R3524	VRS-CY1JF681JY	J	680 1/16W	Metal Oxide AA	FB1722	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
R3525	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	FB1723	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
					FB1724	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
					FB1725	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB

Ref. No.	Part No.	★	Description	Code
DUNTKD139FMF7				
MAIN UNIT (Continued)				
FB1726	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB1727	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB1728	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB1729	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB1730	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB1731	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB1732	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB1741	RBLN-A303WJZZY	J	Ferrite Bead, BLN-A303WJ	AB
FB1761	RBLN-A303WJZZY	J	Ferrite Bead, BLN-A303WJ	AB
FB2001	RBLN-A215WJZZY	J	Ferrite Bead, BLN-A215WJ	AB
FB2002	RBLN-A212WJZZY	J	Ferrite Bead, BLN-A212WJ	AB
FB2201	RBLN-A215WJZZY	J	Ferrite Bead, BLN-A215WJ	AB
FB2241	RBLN-A215WJZZY	J	Ferrite Bead, BLN-A215WJ	AB
FB2251	RBLN-A215WJZZY	J	Ferrite Bead, BLN-A215WJ	AB
FB2261	RBLN-A215WJZZY	J	Ferrite Bead, BLN-A215WJ	AB
FB2531	RBLN-0006TAZZY	J	Ferrite Bead, BLN-0006TA	AB
FB2532	RBLN-0006TAZZY	J	Ferrite Bead, BLN-0006TA	AB
FB2561	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB2562	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB2563	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB3001	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3002	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3003	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3004	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3005	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3006	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3007	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3051	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3052	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3053	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3054	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3055	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3056	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3057	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3101	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3102	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3103	RBLN-A276WJZZY	J	Ferrite Bead, BLN-A276WJ	AB
FB3104	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3105	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3201	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB3202	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB3203	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB3204	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB3206	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB3301	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3311	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3321	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3351	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB3354	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB3355	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB3501	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3502	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3511	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3512	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3521	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3522	RBLN-A038WJZZY	J	Ferrite Bead, BLN-A038WJ	AB
FB3551	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB3552	RBLN-A187WJZZY	J	Ferrite Bead, BLN-A187WJ	AB
FB3561	RBLN-A215WJZZY	J	Ferrite Bead, BLN-A215WJ	AB
FB3562	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB3563	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB3564	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB3565	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB3566	RBLN-A068WJZZY	J	Ferrite Bead, BLN-A068WJ	AB
FB3581	RBLN-A215WJZZY	J	Ferrite Bead, BLN-A215WJ	AB
FB3582	RBLN-A191WJZZY	J	Ferrite Bead, BLN-A191WJ	AB
FB3583	RBLN-A191WJZZY	J	Ferrite Bead, BLN-A191WJ	AB
FB3584	RBLN-A191WJZZY	J	Ferrite Bead, BLN-A191WJ	AB
FB3585	RBLN-A191WJZZY	J	Ferrite Bead, BLN-A191WJ	AB
J3301	QJAKZA026WJZZ	J	Jack, Video/S-Video/Audio In	AG
J3511	QJAKBA002WJZZ	J	Jack, Audio In/Out	AF

Ref. No.	Part No.	★	Description	Code
LUG2501	QLUGHA002WJZZ	J	Lug	AB
LUG2502	QLUGHA002WJZZ	J	Lug	AB
LUG3101	QLUGHA002WJZZ	J	Lug	AB
LUG3102	QLUGHA002WJZZ	J	Lug	AB
P1701	QPLGNA071WJZZ	J	Plug, 14Pin(EA)	AC
P1702	QPLGN0263TAZZY	J	Plug, 2Pin(LF)	AB
P1703	QPLGN0363TAZZY	J	Plug, 3Pin(CW)	AC
P1704	QPLGN0364TAZZY	J	Plug, 3Pin(RC)	AC
P1721	QPLGN0364TAZZY	J	Plug, 3Pin(FA)	AC
P1722	QPLGN0364TAZZY	J	Plug, 3Pin(FB)	AC
P1723	QPLGN0464TAZZY	J	Plug, 4Pin(FD)	AC
P1724	QPLGN0364TAZZY	J	Plug, 3Pin(FC)	AC
P2501	QPLGZA018WJZZQ	J	Plug, 142Pin(to DMD PWB)	AW
P2532	QPLGN0565FJZZY	J	Plug, 3Pin(US)	AD
P3551	QPLGN0264TAZZY	J	Plug, 2Pin(SO)	AC
P3562	QPLGN0363TAZZY	J	Plug, 3Pin(TH2)	AC
S2001	QSW-SA020WJZZY	J	Slide Switch	AE
S2551	QSW-K0099TAZZY	J	Service Switch	AC
S2552	QSW-KA029WJZZY	J	Switch, POWER	AD
S2553	QSW-KA029WJZZY	J	Switch, -	AD
S2554	QSW-KA029WJZZY	J	Switch, DOWN	AD
S2555	QSW-KA029WJZZY	J	Switch, UP	AD
S2556	QSW-KA029WJZZY	J	Switch, ENTER	AD
S2557	QSW-KA029WJZZY	J	Switch, +	AD
S2558	QSW-KA029WJZZY	J	Switch, MENU	AD
S2559	QSW-KA029WJZZY	J	Switch, KEYSTONE	AD
SC2561	QSOCDA036WJZZ	J	DIN Jack Socket	AF
SC3001	QSOCNA230WJZZ	J	Socket, INPUT1	AH
SC3051	QSOCNA230WJZZ	J	Socket, INPUT2	AH
SC3101	QSOCNA229WJZZ	J	Socket, OUTPUT	AH
SC3581	QCNCWA500WJZZY	J	Socket, 4Pin(MO)	AC
	PSLDM722WJFW	J	Shield	AL
	PSLDM726WJFW	J	Bottom Shield	AF
	LX-BZ3100CEFN	J	Screw	AA
	PSPAZA913WJKZ	J	Spacer	

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKD140WEF0					DUNTKD141WEF0				
DMD UNIT					PHOTOSENSOR Unit				
INTEGRATED CIRCUIT					INTEGRATED CIRCUITS				
IC9301	RH-iXA384WJN1Q	J	2503253-003	BR	IC1101	VHiLM393A// -1Y	J	LM393APSR	AL
					IC1102	VHPGP2S40// -1S	J	IC	AK
DIODES					CAPACITORS				
D9301	VHDSFPB76//2EY	J	SFPA73	AD	C1101	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D9302	VHDSFPB76//2EY	J	SFPA73	AD	C1102	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
D9303	RH-EX1008GEZZY	J	Zener Diode, 8.2V	AD					
PACKAGED CIRCUIT					RESISTORS				
TH9102	VHH103KT161-1Y	J	Packaged Circuit	AE	R1101	VRS-TQ2EF121JY	J	120 1/4W Metal Oxide	AA
					R1102	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
					R1103	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
					R1104	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
COILS					MISCELLANEOUS PARTS				
L9301	RCiLP0325TAZZY	J	Coil	AD	P1101	QPLGN0363TAZZY	J	Plug, 3Pin(CW)	AC
L9302	RCiLP0325TAZZY	J	Coil	AD		QCNW-C221WJQZ	J	Connecting Cord	AF
CAPACITORS					DUNTKD147WEF1				
C9101	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA	BALLAST POWER UNIT				
C9102	VCKYCY1HF104ZY	J	0.1 50V Ceramic	AA	INTEGRATED CIRCUITS				
C9301	RC-KZ0046TAZZY	J	4.7 35V Ceramic	AD	IC702	VHiTA78M12S-1	J	TA78M12S	AG
C9302	RC-KZ0046TAZZY	J	4.7 35V Ceramic	AD	IC703	VHiSTRW67652E	J	STR-W6765N	AL
C9303	RC-KZA109WJZZY	J	10 16V Ceramic	AC	IC704	VHiHA17431U-1Y	J	HA17431UA-TL	AE
C9304	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	IC902	VHiFA5501AN-1Y	J	IC	AQ
C9305	VCEAPF1CW106MY	J	10 16V Electrolytic	AB					
C9306	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	TRANSISTORS				
C9307	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	Q702	VS2SK3451++-1	J	2SK3451	AS
C9308	VCEAPF1CW106MY	J	10 16V Electrolytic	AB	Q704	VS2SK3451++-1	J	2SK3451	AS
C9309	VCKYCY1HF104ZY	J	0.1 50V Ceramic	AA	Q705	VS2SA1797Q+-1Y	J	2SA1797Q	AD
C9310	VCKYCY1HF104ZY	J	0.1 50V Ceramic	AA	Q706	VS2SC3928AR-1Y	J	2SC3928AR	AB
C9311	VCKYCY1HF104ZY	J	0.1 50V Ceramic	AA	Q901	VS2SK2699++-1	J	2SK2699	AR
C9312	VCKYCY1HF104ZY	J	0.1 50V Ceramic	AA	Q903	VS2SK2699++-1	J	2SK2699	AR
C9313	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	Q904	VS2SA2056++-1Y	J	2SA2056	AE
C9314	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	Q905	VS2SK3233++-1	J	2SK3233	AQ
C9315	RC-KZ0072TAZZY	J	1 25V Ceramic	AC	Q906	VS2SA1530AR-1Y	J	2SA1530AR	AB
C9316	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	Q907	VS2SC3928AR-1Y	J	2SC3928AR	AB
C9317	RC-KZ0070TAZZY	J	4.7 16V Ceramic	AD					
C9318	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	DIODES				
C9501	VCEAPF1CW106MY	J	10 16V Electrolytic	AB	△ D701	VHDD10XB60H-1	J	D10XB60H	AL
C9502	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D702	VHD1SS355// -1Y	J	1SS355	AB
C9503	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D703	RH-DXA073WJZZ	J	Diode, DXA073WJ	AM
C9504	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D704	VHD1SS355// -1Y	J	1SS355	AB
C9505	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D705	VHDLi114+++ -1Y	J	LI114	AC
C9506	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D706	VHDB160M40-1Y	J	RB160M40	AC
C9507	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D707	VHDB160M40-1Y	J	RB160M40	AC
C9508	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D708	VHDD1FL20U/-1Y	J	D1FL20U	AC
C9509	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D709	RH-DX0066GEZZY	J	Diode, DX0066GE	AC
C9510	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D710	RH-EX1294CEZZY	J	Zener Diode, EX1294CE	AB
C9511	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D711	RH-DX0066GEZZY	J	Diode, DX0066GE	AC
C9512	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D712	RH-DX0066GEZZY	J	Diode, DX0066GE	AC
C9513	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	D713	VHDD1FL20U/-1Y	J	D1FL20U	AC
C9514	VCEAPF1CW106MY	J	10 16V Electrolytic	AB	D714	RH-DXA070WJZZY	J	Diode, XA070WJ	AE
RESISTORS					△ D715	RH-FXA003WJZZ	J	PC123Y82	AD
R9102	VRS-CY1JF184FY	J	180k 1/16W Metal Oxide	AA	△ D716	RH-FXA003WJZZ	J	PC123Y82	AD
R9103	VRN-CY1JF472DY	J	4.7k 1/16W Metal Film	AA	D717	RH-DX0459CEZZ	J	Diode, DX0459CE	AE
R9301	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	D718	RH-DX0469CEZZ	J	Diode, DX0469CE	AF
R9303	VRS-CJ1JF102JY	J	1k 1/16W Metal Oxide	AA	D722	VHD1SS355// -1Y	J	1SS355	AB
R9304	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	D907	VHSG1VB22C+-1	J	G1VB22C	AK
R9305	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	D908	RH-DXA074WJZZ	J	Diode, DXA074WJ	AH
MISCELLANEOUS PARTS					D909	VH DU1JU44// -1Y	J	U1JU44	AE
FB9301	RBLN-A191WJZZY	J	Ferrite Bead, BLN-A191WJ	AB	D910	RH-DXA062WJZZY	J	Diode, DXA062WJ	AE
FB9302	RBLN-A191WJZZY	J	Ferrite Bead, BLN-A191WJ	AB	D911	VHDFMVG2GS+-1S	J	FMVG2GS	AM
FB9303	RBLN-A191WJZZY	J	Ferrite Bead, BLN-A191WJ	AB	D912	VHDFMVG2GS+-1S	J	FMVG2GS	AM
SC9101	QSOCZA102WJZZQ	J	Socket, 142Pin (to MAIN PWB)	AW					

Ref. No.	Part No.	★	Description	Code
DUNTKD147WEF1				
BALLAST POWER UNIT(Continued)				
D914	RH-DXA062WJZZY	J	Diode, DXA062WJ	AE
D915	VHDRB160M40-1Y	J	RB160M40	AC
PACKAGED CIRCUITS				
TH901	RH-HXA020WJZZ	J	Thermister	AK
△ VA701	RH-VXA018WJZZ	J	Varistor	AD
COILS AND TRANSFORMERS				
L701	RCiLPA137WJZZ	J	Coil	AF
△ L702	RCiLFA178WJZZ	J	Coil	AK
△ L703	RCiLFA178WJZZ	J	Coil	AK
L705	RCiLPA546WJZZ	J	Coil	AH
L901	RCiLCA126WJZZ	J	High Frequency Choke Coil	AQ
L902	RCiLPA475WJZZ	J	Coil	AK
T704	RCiLCA120WJZZ	J	High Frequency Choke Coil	AX
△ T705	RTRNWA185WJZZ	J	Transformer	AL
T901	RTRNZA102WJZZ	J	Transformer	AH
T903	RTRNWA188WJZZ	J	Transformer	AK
CAPACITORS				
C702	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C703	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C704	RC-EZA572WJZZ	J	330 420V Electrolytic	AW
C705	VCKYTV1EB474KY	J	0.47 25V Ceramic	AC
C706	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
△ C707	RC-FZA026WJZZ	J	0.47 50V Metallized Plastic Film	AE
C708	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C709	RC-KZA271WJZZ	J	470 2kV Ceramic	AC
C710	RC-KZA275WJZZ	J	1000p 2kV Ceramic	AD
△ C711	RC-KZ0105GEZZ	J	2200p 250V Ceramic	AD
△ C712	RC-KZ0105GEZZ	J	2200p 250V Ceramic	AD
C713	VCKYTV1HB224KY	J	0.22 50V Ceramic	AC
C714	RC-FZA124WJZZ	J	2.2 450V Metallized Plastic Film	AG
△ C715	RC-FZA026WJZZ	J	0.47 50V Metallized Plastic Film	AE
C716	VCKYTV1EB104KY	J	0.1 25V Ceramic	AB
C717	VCKYTV1EB104KY	J	0.1 25V Ceramic	AB
C718	VCKYTV1HB103KY	J	0.01 50V Ceramic	AA
C720	VCEA4A1VN476M+	J	47 35V Electrolytic	AC
C721	VCEA4A1VN106M+	J	10 35V Electrolytic	AC
C722	VCKYTV1HB222KY	J	2200p 50V Ceramic	AA
C723	VCKYTV1HB471KY	J	470p 50V Ceramic	AA
C724	VCKYTV1HB103KY	J	0.01 50V Ceramic	AA
C725	VCEA4A1HN105M+	J	1 50V Electrolytic	AB
C726	RC-KZA050WJZZ	J	470p 50V Ceramic	AD
C727	VCEA4A1VN107M+	J	100 35V Electrolytic	AC
C728	RC-FZ0010TAZZ	J	0.01 630V Metallized Plastic Film	AC
△ C730	RC-KZ0105GEZZ	J	2200p 250V Ceramic	AD
△ C731	RC-KZ0105GEZZ	J	2200p 250V Ceramic	AD
C732	RC-EZ1208CEZZ	J	2200 25V Electrolytic	AD
C733	RC-KZ0384CEZZ+	J	1000p 50V Ceramic	AC
C734	RC-KZ0384CEZZ+	J	1000p 50V Ceramic	AC
△ C735	RC-KZ0105GEZZ	J	2200p 250V Ceramic	AD
C736	VCKYTV1EB104KY	J	0.1 25V Ceramic	AB
C737	RC-EZ1241CEZZ	J	2200 25V Electrolytic	AE
C738	VCEA4A1VN476M+	J	47 35V Electrolytic	AC
C739	RC-KZA111WJZZY	J	1 25V Ceramic	AC
C740	RC-FZA126WJZZ	J	0.1 450V Metallized Polyestren Film	AE
C901	RC-FZA215WJZZ	J	1.8 450V Metallized Plastic Film	AH
C902	RC-KZA123WJZZY	J	220p 1kV Ceramic	AC
C904	RC-KZA111WJZZY	J	1 25V Ceramic	AC
C909	RC-KZA377WJZZY	J	330p 1kV Ceramic	AD
C910	RC-KZA377WJZZY	J	330p 1kV Ceramic	AD
C911	RC-FZA123WJZZ	J	1 450V Metallized Plastic Film	AF
C912	RC-KZA378WJZZY	J	1000p 630V Ceramic	AD

Ref. No.	Part No.	★	Description	Code
C913	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C914	RC-FZA126WJZZ	J	0.1 450V Metallized Plastic Film	AE
C915	RC-KZA275WJZZ	J	1000p 2kV Ceramic	AD
C916	RC-FZA126WJZZ	J	0.1 450V Metallized Plastic Film	AE
C917	RC-KZA275WJZZ	J	1000p 2kV Ceramic	AD
C919	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C920	RC-KZA275WJZZ	J	1000p 2kV Ceramic	AD
C921	VCKYCY1EB473KY	J	0.047 25V Ceramic	AA
C922	RC-KZA123WJZZY	J	220p 1kV Ceramic	AC
C923	RC-KZA123WJZZY	J	220p 1kV Ceramic	AC
RESISTORS				
△ R701	RR-HZ0119CEZZY	J	High Voltage High Resistor	AC
R702	VRS-CY1JF153FY	J	15k 1/16W Metal Oxide	AA
R703	VRS-TQ2BD474FY	J	470k 1/8W Metal Oxide	AA
R704	VRS-TQ2BD474FY	J	470k 1/8W Metal Oxide	AA
R705	VRS-TQ2BD394FY	J	390k 1/8W Metal Oxide	AA
R706	VRN-TV1JD684DY	J	680k 1/16W Metal Film	AB
R707	VRN-TV1JD564DY	J	560k 1/16W Metal Film	AB
R708	VRN-TV1JD564DY	J	560k 1/16W Metal Film	AB
R710	VRN-CY1JF133DY	J	13k 1/16W Metal Film	AB
R711	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R714	VRD-RM2HD102JY	J	1k 1/2W Carbon	AA
R715	VRS-CY1JF820FY	J	82 1/16W Metal Oxide	AA
R716	VRS-SV2HC100JY	J	10 1/2W Metal Oxide	AB
R717	RMPTKA001WJZZ	J	3.9 5W Cement/thermal Fuse	AH
R718	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R719	VRD-RM2HD563JY	J	56k 1/2W Carbon	AA
R720	VRD-RM2HD563JY	J	56k 1/2W Carbon	AA
R721	VRS-TQ2EF100JY	J	10 1/4W Metal Oxide	AA
R722	VRD-RM2HD563JY	J	56k 1/2W Carbon	AA
R724	RR-WZA012WJZZ	J	0.15 5W Resistor Wire	AE
R725	VRS-TQ2EF100JY	J	10 1/4W Metal Oxide	AA
R727	RR-WZA012WJZZ	J	0.15 5W Resistor Wire	AE
R728	VRS-CY1JF183JY	J	18k 1/16W Metal Oxide	AA
R730	VRS-TV1JD103JY	J	10k 1/16W Metal Oxide	AA
R731	VRS-TV1JD103JY	J	10k 1/16W Metal Oxide	AA
R733	VRS-TQ2BD153JY	J	15k 1/8W Metal Oxide	AA
R734	VRD-RM2HD221JY	J	220 1/2W Carbon	AA
R735	VRS-TQ2BD101JY	J	100 1/8W Metal Oxide	AA
R736	VRS-TQ2BD102JY	J	1k 1/8W Metal Oxide	AA
R737	VRS-TQ2BD103JY	J	10k 1/8W Metal Oxide	AA
R738	VRS-TV1JD564JY	J	560k 1/16W Metal Oxide	AA
R739	VRN-VV3AB3R9J	J	3.9 1W Metal Film	AA
R740	VRS-TV1JD564JY	J	560k 1/16W Metal Oxide	AA
R741	VRN-VV3AB1R8J	J	1.8 1W Metal Film	AA
R742	VRS-TQ2BD103JY	J	10k 1/8W Metal Oxide	AA
R743	VRS-TQ2BD332FY	J	3.3k 1/8W Metal Oxide	AA
R744	VRS-VV3AB273J	J	27k 1W Metal Oxide	AA
R745	VRS-VV3AB273J	J	27k 1W Metal Oxide	AA
R746	VRS-VV3DB220J	J	22 2W Metal Oxide	AA
R748	VRS-TQ2BD103JY	J	10k 1/8W Metal Oxide	AA
R750	VRS-TV1JD102JY	J	1k 1/16W Metal Oxide	AA
R751	VRS-TV1JD222FY	J	2.2k 1/16W Metal Oxide	AA
R752	VRS-TQ2BD102JY	J	1k 1/8W Metal Oxide	AA
R753	VRS-TV1JD101FY	J	100 1/16W Metal Oxide	AA
R754	VRS-TQ2BD331FY	J	330 1/8W Metal Oxide	AA
R755	VRS-TV1JD272FY	J	2.7k 1/16W Metal Oxide	AA
R756	VRS-TV1JD681FY	J	680 1/16W Metal Oxide	AA
R757	VRS-TQ2EF221JY	J	220 1/4W Metal Oxide	AA
R758	VRS-TQ2EF221JY	J	220 1/4W Metal Oxide	AA
R759	VRS-TQ2EF681JY	J	680 1/4W Metal Oxide	AA
R760	VRS-TQ2EF681JY	J	680 1/4W Metal Oxide	AA
R762	VRN-TV1JD124DY	J	120k 1/16W Metal Film	AB
R763	VRS-TQ2EF101JY	J	100 1/4W Metal Oxide	AA
R764	VRS-TQ2EF101JY	J	100 1/4W Metal Oxide	AA
R765	VRN-VV3AB1R8J	J	1.8 1W Metal Film	AA
R766	VRN-VV3ABR22J	J	0.22 1W Metal Film	AA
R901	VRS-TV1JD334FY	J	330k 1/16W Metal Oxide	AA
R902	VRS-TV1JD334FY	J	330k 1/16W Metal Oxide	AA
R903	VRS-TV1JD334FY	J	330k 1/16W Metal Oxide	AA
R904	VRS-TV1JD123FY	J	12k 1/16W Metal Oxide	AA
R905	RR-FZA002WJZZ	J	0.05 3W	AE

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKD147WEF1					DUNTKD148WEF0				
BALLAST POWER UNIT(Continued)					BALLAST CONTROL UNIT				
Metal Plate Resistor					INTEGRATED CIRCUITS				
R907	VRS-TQ2BD100FY	J	10 1/8W Metal Oxide	AA	IC7701	VHiM51995AF-1Y	J	IC	AM
R908	VRS-TV1JD334FY	J	330k 1/10W Metal Oxide	AA	IC7704	VHiTA78L05F-1Y	J	TA78L05F	AE
R909	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA	IC7705	VHiBD4742G+-1Y	J	BD4742G-TR	AD
R911	VRS-TQ2EF100JY	J	10 1/4W Metal Oxide	AA	IC7707	RH-iXB458WJZZQ	J	IC	AZ
R912	VRS-TQ2BD000JY	J	0 1/8W Metal Oxide	AA	IC7709	VHiNJM2902V-1Y	J	NJM2902V	AD
R913	VRS-TQ2BD100FY	J	10 1/8W Metal Oxide	AA	TRANSISTORS				
R914	VRS-TQ2EF220JY	J	22 1/4W Metal Oxide	AA	Q7701	VSDTA114EKA-1Y	J	DTA114EKA	AB
R917	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA	Q7702	VS DTC114EKA-1Y	J	DTC114EKA	AB
R920	VRS-TQ2EF100FY	J	10 1/4W Metal Oxide	AA	Q7703	VS2SC2712Y/-1Y	J	2SC2712Y	AB
R921	VRS-TQ2EF100FY	J	10 1/4W Metal Oxide	AA	Q7704	VS2SC2712Y/-1Y	J	2SC2712Y	AB
R923	VRS-TQ2EF100FY	J	10 1/4W Metal Oxide	AA	Q7705	VS DTC114EKA-1Y	J	DTC114EKA	AB
R924	VRS-TQ2EF100FY	J	10 1/4W Metal Oxide	AA	Q7706	VS DTC114EKA-1Y	J	DTC114EKA	AB
R925	VRS-TV1JD224FY	J	220k 1/10W Metal Oxide	AA	Q7707	VS DTC114EKA-1Y	J	DTC114EKA	AB
R926	VRS-TV1JD224FY	J	220k 1/10W Metal Oxide	AA	Q7708	VS2SA1162Y/-1Y	J	2SA1162Y	AB
R927	VRS-TV1JD224FY	J	220k 1/10W Metal Oxide	AA	Q7709	VS2SC2712Y/-1Y	J	2SC2712Y	AB
R928	VRS-TV1JD104FY	J	100k 1/10W Metal Oxide	AA	DIODES				
R929	VRS-TV1JD224FY	J	220k 1/10W Metal Oxide	AA	D7701	RH-EX1398CEZZY	J	Zener Diode, 8.2V	AB
R930	VRS-TV1JD224FY	J	220k 1/10W Metal Oxide	AA	D7702	VHD1SS355/-1Y	J	1SS355	AB
R931	VRS-TV1JD224FY	J	220k 1/10W Metal Oxide	AA	D7703	VHD1SS355/-1Y	J	1SS355	AB
R932	VRS-TV1JD224FY	J	220k 1/10W Metal Oxide	AA	D7704	RH-EX1398CEZZY	J	Zener Diode, 8.2V	AB
R933	VRS-TV1JD153FY	J	15k 1/10W Metal Oxide	AA	D7705	VHD1SS355/-1Y	J	1SS355	AB
R934	VRS-TV1JD153FY	J	15k 1/10W Metal Oxide	AA	D7706	VHD1SS355/-1Y	J	1SS355	AB
R935	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA	D7711	VHDDAN202K/-1Y	J	DAN202K	AB
R936	VRS-TQ2BD102JY	J	1k 1/8W Metal Oxide	AA	D7712	VHDDAN202K/-1Y	J	DAN202K	AB
R937	VRS-VV3DB273J	J	27k 2W Metal Oxide	AA	△ D7713	RH-FXA005WJZZY	J	PC123ZY8	AD
R938	VRS-TV1JD100JY	J	10 1/10W Metal Oxide	AA	△ D7714	RH-FXA005WJZZY	J	PC123ZY8	AD
R939	VRS-TV1JD224FY	J	220k 1/10W Metal Oxide	AA	△ D7715	RH-FXA005WJZZY	J	PC123ZY8	AD
R940	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	PACKAGED CIRCUIT				
R941	VRS-TV1JD223JY	J	22k 1/10W Metal Oxide	AA	X7701	RCRMA019WJZZY	J	Packaged Circuit	AF
R942	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA	CONTROL				
R943	VRS-TQ2EF100JY	J	10 1/4W Metal Oxide	AA	R7728	RVR-M4555CEZZY	J	Variable resistor, 10k	AC
R944	VRS-TQ2EF100JY	J	10 1/4W Metal Oxide	AA	CAPACITORS				
R945	VRS-TQ2EF100JY	J	10 1/4W Metal Oxide	AA	C7701	VCCCCY1HH681JY	J	680p 50V Ceramic	AB
R946	VRS-TQ2EF100JY	J	10 1/4W Metal Oxide	AA	C7702	VCKYCY1CB224KY	J	0.22 16V Ceramic	AB
R947	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	C7703	VCKYCY1EB473KY	J	0.047 25V Ceramic	AA
R948	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA	C7704	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
R949	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	C7705	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
R950	VRS-TQ2BD102JY	J	1k 1/8W Metal Oxide	AA	C7706	VCKYCY1EB104KY	J	0.1 25V Ceramic	AB
MISCELLANEOUS PARTS					C7707	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
△ CN901	QCNW-D573WJQZ	J	Connecting Cord	AT	C7708	RC-KZA114WJZZY	J	1 25V Ceramic	AB
△ F701	QFS-CA010WJZZ	J	Fuse, T6.3AH/AC250V	AF	C7709	RC-KZA111WJZZY	J	1 25V Ceramic	AC
△ F705	QFS-TA005WJZZ	J	Thermal Fuse, 127°C	AG	C7710	RC-KZA111WJZZY	J	1 25V Ceramic	AC
FB701	RBLN-0094CEZZY	J	Ferrite Bead, BLN-0094CE	AC	C7711	VCKYCY1CB224KY	J	0.22 16V Ceramic	AB
FB702	RBLN-0094CEZZY	J	Ferrite Bead, BLN-0094CE	AC	C7712	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
FB704	RBLN-A007WJZZY	J	Ferrite Bead, BLN-A007WJ	AC	C7713	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
FB705	RBLN-A007WJZZY	J	Ferrite Bead, BLN-A007WJ	AC	C7715	VCKYCY1EB103KY	J	0.01 25V Ceramic	AA
FB706	RBLN-A007WJZZY	J	Ferrite Bead, BLN-A007WJ	AC	C7716	VCKYCY1EB333KY	J	0.033 25V Ceramic	AA
FB707	RBLN-0020CEZZ+	J	Ferrite Bead, BLN-0020CE	AB	C7717	VCCCCY1HH681JY	J	680p 50V Ceramic	AB
FB903	RBLN-A007WJZZY	J	Ferrite Bead, BLN-A007WJ	AC	C7718	VCCCCY1HH331JY	J	330p 50V Ceramic	AA
FB904	RBLN-A007WJZZY	J	Ferrite Bead, BLN-A007WJ	AC	C7719	VCCCCY1HH331JY	J	330p 50V Ceramic	AA
FH701	QFSHD1013CEZZ+	J	Fuse Holder	AC	C7720	RC-KZA109WJZZY	J	10 16V Ceramic	AC
FH702	QFSHD1014CEZZ+	J	Fuse Holder	AC	C7721	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
LUG701	QLUGHA002WJZZ	J	Lug	AB	C7722	RC-KZA114WJZZY	J	1 25V Ceramic	AB
LUG702	QLUGHA002WJZZ	J	Lug	AB	C7723	RC-KZA114WJZZY	J	1 25V Ceramic	AB
△ P701	QPLGAA004WJZZ	J	AC Plug	AH	C7724	VCKYCY1HF104ZY	J	0.1 50V Ceramic	AA
△ P702	QPLGN0269GEZZ	J	Plug, 2Pin(BA)	AB	C7725	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
P704	QCNCMA114WJZZ	J	Connector, 14Pin	AF	C7726	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
△ RY701	RRLYDA008WJZZ	J	Relay	AG	C7727	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
E701	LANGQA017WJFW	J	Angle	AG	C7728	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
RDA701	PRDARA225WJFW	J	Heat Sink	AF	C7730	VCKYTV1CB105KY	J	1 16V Ceramic	AC
RDA901	PRDARA224WJFW	J	Heat Sink	AG	C7731	VCKYCY1CB224KY	J	0.22 16V Ceramic	AB
	LX-BZA044WJFU	J	Screw	AA	C7733	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
	LX-BZ3049GEFN	J	Screw	AB	C7734	VCKYTV1CB105KY	J	1 16V Ceramic	AC
	LX-BZ3049GEFN	J	Screw	AB	C7735	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
	PSPA737WJZZ	J	Spacer	AK					

Ref. No.	Part No.	★	Description	Code
DUNTKD148WEF0				
BALLAST CONTROL UNIT(Continued)				
C7736	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C7737	VCKYCY1EB103KY	J	0.01 25V Ceramic	AA
C7738	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C7739	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
C7740	VCKYCY1EB103KY	J	0.01 25V Ceramic	AA
C7741	VCKYCY1AB105KY	J	1 10V Ceramic	AB
C7742	VCKYCY1HB222KY	J	2200p 50V Ceramic	AA
C7743	VCKYTV1EB104KY	J	0.1 25V Ceramic	AB
C7744	RC-KZA110WJZZY	J	Ceramic	AD
C7745	VCKYCY1CB104KY	J	0.1 16V Ceramic	AB
C7746	VCKYCY1EB103KY	J	0.01 25V Ceramic	AA
C7749	VCCCCY1HH331JY	J	330p 50V Ceramic	AA
C7750	VCCCCY1HH331JY	J	330p 50V Ceramic	AA
C7751	VCCCCY1HH331JY	J	330p 50V Ceramic	AA

RESISTORS

R7701	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7702	VRS-TV1JD331JY	J	330 1/10W Metal Oxide	AB
R7703	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA
R7704	VRS-CY1JF243JY	J	24k 1/16W Metal Oxide	AA
R7705	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7706	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7707	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7708	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7709	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7710	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7711	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7712	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7713	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA
R7714	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA
R7715	VRS-TV1JD1R0JY	J	1 1/10W Metal Oxide	AA
R7716	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7717	VRS-CY1JF151JY	J	150 1/16W Metal Oxide	AA
R7718	VRS-CY1JF622JY	J	6.2k 1/16W Metal Oxide	AA
R7719	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7720	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7721	VRN-CY1JF122DY	J	1.2k 1/16W Metal Film	AA
R7722	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
R7723	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7724	VRN-CY1JF153DY	J	15k 1/16W Metal Film	AA
R7725	VRN-CY1JF332DY	J	3.3k 1/16W Metal Film	AA
R7726	VRS-CY1JF622JY	J	6.2k 1/16W Metal Oxide	AA
R7727	VRS-CY1JF302JY	J	3k 1/16W Metal Oxide	AA
R7729	VRN-CY1JF102DY	J	1k 1/16W Metal Film	AA
R7730	VRN-CY1JF102DY	J	1k 1/16W Metal Film	AA
R7731	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R7732	VRN-CY1JF682DY	J	6.8k 1/16W Metal Film	AB
R7733	VRN-CY1JF182DY	J	1.8k 1/16W Metal Film	AA
R7734	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7735	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7736	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7737	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7738	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R7739	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7740	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R7741	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R7742	VRS-CY1JF303JY	J	30k 1/16W Metal Oxide	AA
R7743	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7745	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7746	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R7747	VRS-CY1JF303JY	J	30k 1/16W Metal Oxide	AA
R7748	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7749	VRS-CY1JF303JY	J	30k 1/16W Metal Oxide	AA
R7750	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R7751	VRS-CY1JF303JY	J	30k 1/16W Metal Oxide	AA
R7752	VRS-TQ2BD4R7JY	J	4.7 1/8W Metal Oxide	AA
R7753	VRS-TQ2BD4R7JY	J	4.7 1/8W Metal Oxide	AA
R7754	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
R7755	VRS-CY1JF000JY	J	00 1/16W Metal Oxide	AA
R7757	VRS-CY1JF303JY	J	30k 1/16W Metal Oxide	AA
R7758	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R7759	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7760	VRS-CY1JF303JY	J	30k 1/16W Metal Oxide	AA
R7761	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7762	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7763	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7764	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7765	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7767	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7769	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R7770	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R7771	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7772	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7773	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7774	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7775	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7776	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7777	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7778	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R7779	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7780	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7781	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R7783	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7784	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R7785	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7786	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R7789	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7790	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7791	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7792	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7793	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7794	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7795	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7796	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA

MISCELLANEOUS PART

P7701	QPLGN0864TAZZY	J	Plug, 8Pin	AE
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DUNTKD164WEF0
R/C UNIT**CAPACITORS**

C1121	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1122	VCEAPF1CW107MY	J	100 16V Electrolytic	AC

RESISTORS

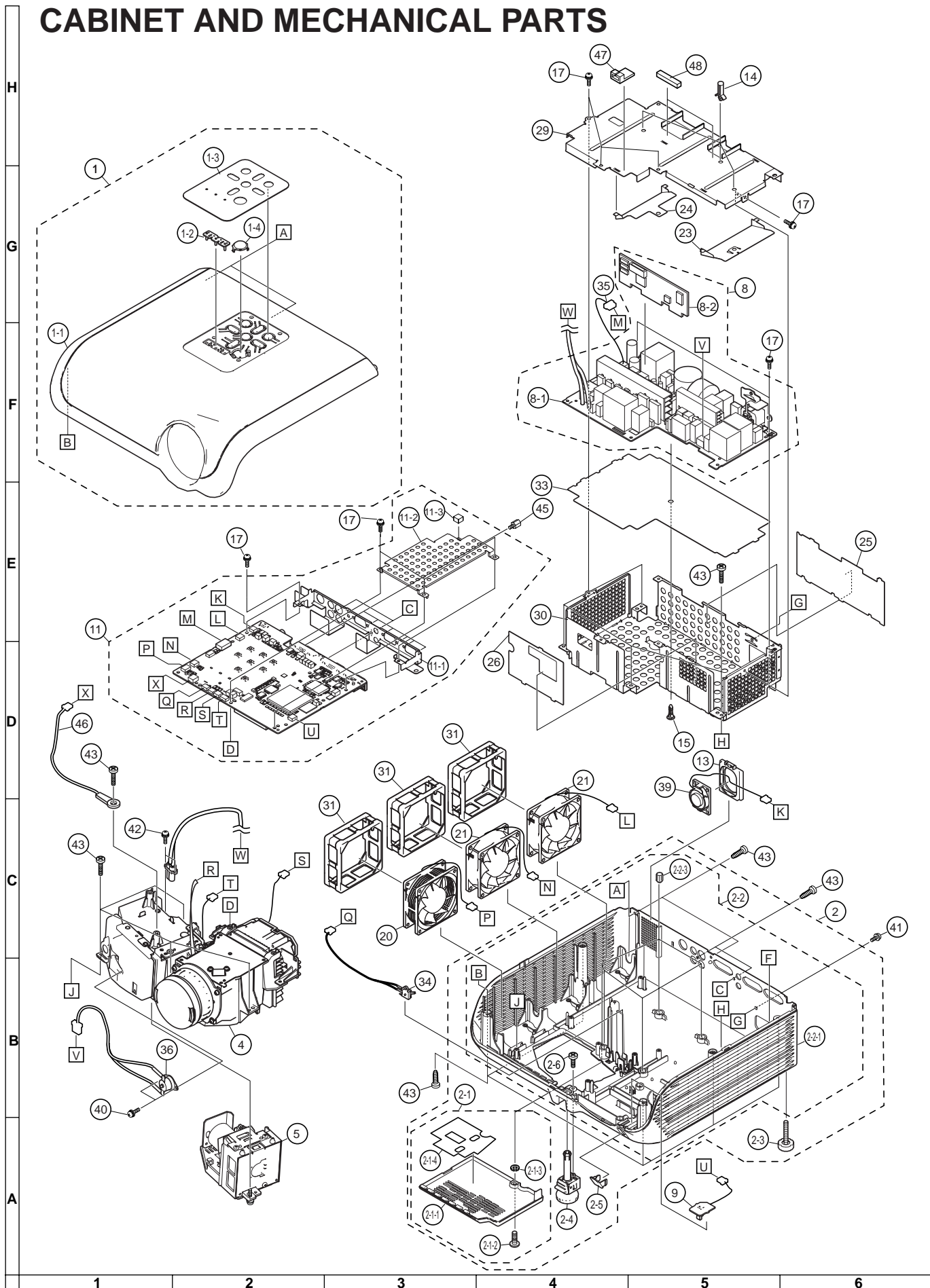
R1121	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R1122	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA
R1123	VRS-CY1JF683JY	J	68k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

P1121	QPLGN0364TAZZY	J	Plug, 3Pin(RC)	AC
RMC1121	RRMCUA027WJZZ	J	RC Reciever	AK
	QCNCW-D517WJQZ	J	Connecting Cord	AE
	LHLDPA022WJZZ	J	RC Reciever Holder	AD

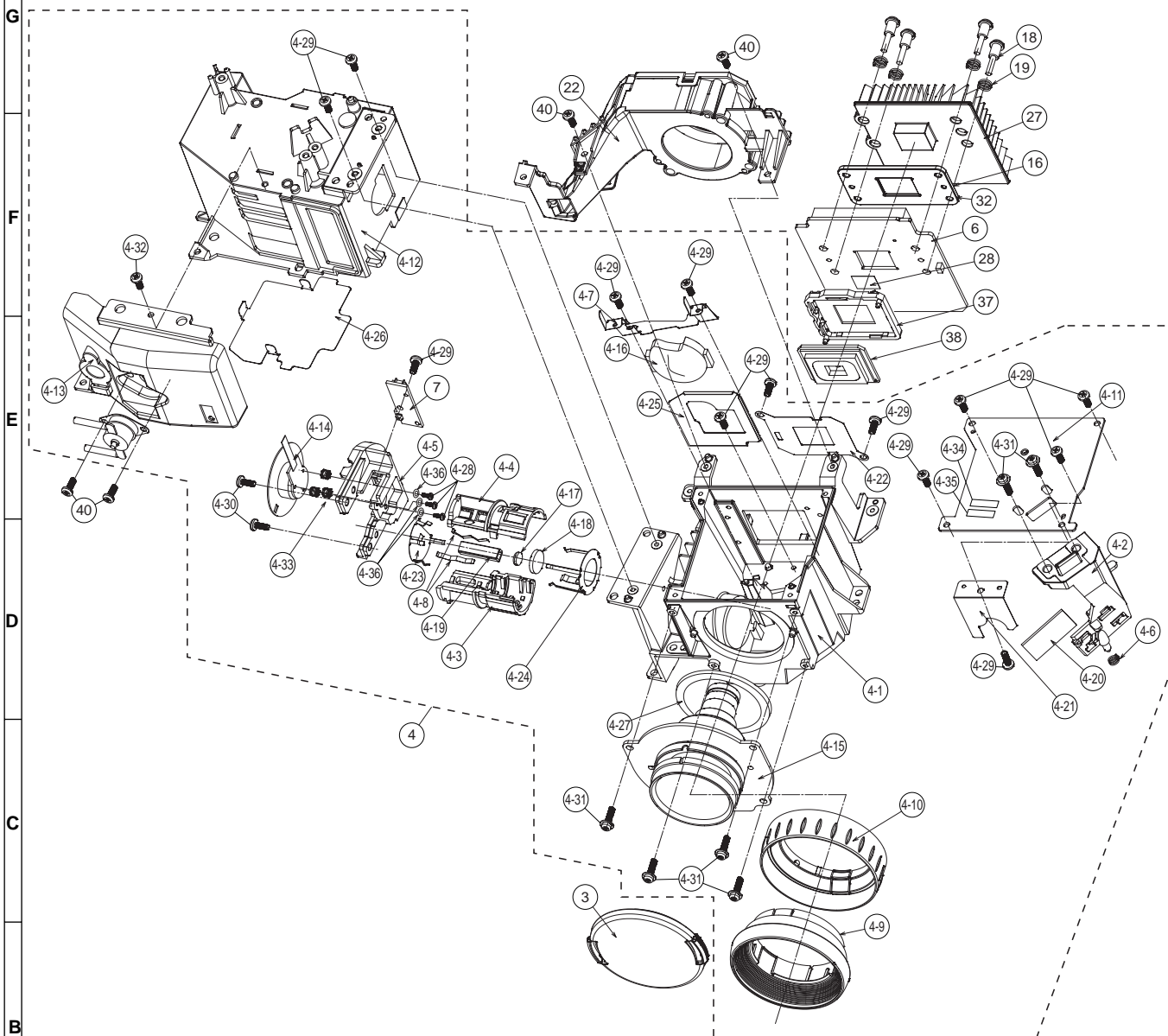
Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS									
1	DBDYTA118WEF0	J	Top Body Ass'y						
1-1	Not Available	—	Top Body	—					
1-2	HDECPA027WJSA	J	Led Cover	AD					
1-3	HiNDPB422WJSA	J	Operation Cover						
1-4	JBTN-A463WJSA	J	Power Button	AF					
2	Not Available	—	Bottom Body Ass'y	—					
2-1	CDORUA044WEF0	J	Lamp Door Ass'y	AP					
2-1-1	Not Available	—	Lamp Door	—					
2-1-2	LX-BZ3274CEFN	J	Screw	AE					
2-1-3	XRESJ30-06000	J	E-Ring	AA					
2-1-4	PSLDHA036WJFW	J	Shield						
2-2	DBDYUA156WEF0	J	Bottom Body Ass'y						
2-2-1	Not Available	—	Bottom Body	—					
2-2-2	LX-NZ3120CEFW	J							
2-2-3	LX-NZ3144CEFW	J	Nut, x5	AC					
2-3	GLEGPA030WJSA	J	Rear Adjuster	AK					
2-4	GLEGPA036WJSA	J	Front Adjuster	AP					
2-5	HDECPA028WJSA	J	R/C Cover	AE					
2-6	XEBSN30P08000	J	Screw (Front Adjuster)	AA					
4	Refer to Optical Mechanism Parts								
5	AN-100LP	J	Lamp Unit, Option	—					
8	DSETUD147FMF9	J	BALLAST POWER Ass'y	CA					
8-1	DUNTKD147WEF1	—	BALLAST POWER PWB Unit	—					
8-2	DUNTKD148WEF0	J	BARAST CONTROL PWB Unit	BE					
9	DUNTKD164WEF0	—	R/C PWB Unit	—					
11	DUNTKD139FMF7	J	MAIN PWB Unit	CL					
11-1	PSLDMA722WJFW	J	Shield	AL					
11-2	PSLDMA726WJFW	J	MAIN PWB Shield						
11-3	PSPAZA913WJKZ	J	Shield Spacer						
13	LHLDZA579WJKZ	J	Speaker Holder	AH					
14	LHLDZA580WJKZ	J	Suport, x3	AD					
15	LHLDZA590WJKZ	J	PWB Suport	AD					
17	LX-BZ3100CEF7	J	Screw, x10	AA					
20	NFANRA053WJ00	J	Exhaust Fan (Lamp)	AX					
21	NFANRA054WJ00	J	Exhaust Fan (Power), x2	AT					
23	PCOVNA008WJZZ	J	Power Unit Duct B	AE					
24	PCOVNA009WJZZ	J	Power Unit Duct C	AE					
25	PCOVWA004WJKZ	J	Power Insulator (Front)	AH					
26	PCOVWA005WJKZ	J	Power Insulator (Rear)	AH					
29	PSLDMA720WJFW	J	Ballast Shield (Upper)	AM					
30	PSLDMA721WJFW	J	Ballast Shield (Lower)	AV					
31	PSPAGA276WJZZ	J	Fan Rubber, x3	AP					
33	PZETKA128WJKZ	J	Power Insulator Bottom	AN					
34	QCNW-D515WJQZ	J	LF Wire	AG					
35	QCNW-D518WJQZ	J	EA Wire	AM					
36	QCNW-D575WJPZ	J	Baimetal Wire	AR					
39	RSP-ZA085WJQZ	J	Speaker	AP					
41	XBBSN30P08000	J	Screw, x1	AA					
42	XBPS830P08JS0	J	Screw, x2	AB					
43	XEBSN30P12000	J	Screw, x19	AA					
45	Not Available	—	Shaft	—					
46	RH-HXA015WJPZ	J	Thermistor	AL					
47	LHLDW1226CEZZ	J	Wire Holder	AC					
48	PSPAZA875WJKZ	J	Spacer, x2						

CABINET AND MECHANICAL PARTS



Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
OPTICAL MECHANISM PARTS									
3	CCAPHA024WJSA	J	Lens Cap Ass'y	AG					
4	CCHSKA019WEF1	J	Optical Mechanism Unit	CL					
4-1	LCHSKA019WJFW	J	Engine Base	BE					
4-2	LHLDZA572WJKZ	J	Mirror Holder	AH					
4-3	LHLDZA653WJKZ	J	Rod Holder Base	AL					
4-4	LHLDZA654WJKZ	J	Rod Holder Cover	AK					
4-5	LHLDZA575WJFW	J	C/W Holder	AN					
4-6	MSPRCA062WJFJ	J	Spring	AB					
4-7	MSPRPA061WJFW	J	Plastic Lens Spring	AE					
4-8	MSPRPA068WJFW	J	Rod Spring, x2	AC					
4-9	PCOVPA028WJSA	J	Focus Ring	AN					
4-10	PCOVPA029WJSA	J	Zoom Ring	AM					
4-11	PCOVZA056WJFW	J	Engine Cover	AF					
4-12	PCOVZA059WJKZ	J	Lamp House	AZ					
4-13	PDUC-A064WJKZ	J	Exhaust Duct	AR					
4-14	PFILWA089WJZZ	J	C/W Ass'y	BU					
4-15	PLNS-A055WJZZ	J	Projection Lens	BV					
4-16	PLNS-A056WJZZ	J	Plastic Lens	AX					
4-17	PLNS-A057WJZZ	J	Illmi Lens 1	AR					
4-18	PLNS-A058WJZZ	J	Illmi Lens 2	AS					
4-19	PLNS-A061WJZZ	J	Rod	BD					
4-20	PMIR-A071WJZZ	J	Refrect Mirror	AS					
4-21	PSLDPA036WJFW	J	Projection Lens Aperture	AF					
4-22	PSLDPA047WJFW	J	DMD Aperture	AQ					
4-23	PSLDPA050WJFW	J	Rod Aperture						
4-24	PSLDPA039WJFW	J	Illmi Aperture 1	AF					
4-25	PSLDPA052WJFW	J	Illmi Aperture 2						
4-26	PSLDPA042WJFW	J	House Shading board	AE					
4-27	PSPAZA769WJZZ	J	Dust Proof Spacer	AF					
4-28	LX-BZA138WJF7	J	Screw for C/W, x3						
4-29	XBBSN30P06000	J	Screw M3*6, x13	AA					
4-30	XBBSN30P10000	J	Screw for C/W Holder, x2	AA					
4-31	XBPS830P08JS0	J	Screw, Pj Lns=4, Mir=2	AB					
4-32	XEBSN30P08000	J	Screw for Duct1	AA					
4-33	PSPAZA858WJZZ	J	Gum Bush	AG					
4-34	TLABZB026WJZZ	J	MECHA No.LABEL	AE					
4-35	TLABZB027WJZZ	J	OPT MODEL LABEL	AB					
4-36	LX-WZA037WJF7	J	Washer, x3	AA					
6	DUNTKD140WEF0	J	DMD PWB Unit	BT					
7	DUNTKD141WEF0	—	PHOTOSENSOR PWB Unit	—					
16	LHLDZA612WJFW	J	Backer Plate	AL					
18	LX-BZA110WJF7	J	DMD Screw, x4	AC					
19	MSPRCA062WJFJ	J	Spring For DMD, x4	AB					
22	NFANSA019WJZZ	J	Blower Fan Unit	BB					
27	PRDARA223WJFW	J	DMD Heat Sink	AV					
28	PSHEGA040WJZZ	J	Thermal Pad	AE					
32	PSPAZA768WJZZ	J	Backer Plate Sheet	AD					
37	QSOCZA105WJZZ	J	DMD Socket	AZ					
38	RDMDPA022WJZZQ	J	DMD WVGA	DA					
40	XBBSN30P06000	J	Screw, x4	AA					

OPTICS MECHANISM PARTS



Ref. No.	Part No.	★	Description	Code
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SUPPLIED ACCESSORIES


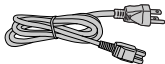
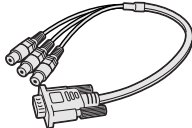
X1	RRMCGA430WJSA	J	Remote Control unit	AT
⚠ X2	QACCD A007WJPZ	J	AC Cord for USA	AR
X3	QCNWGA075WJPZ	J	RGB-RCA Cable	AU
X4	TiNS-B999WJZZ	J	Operation Manual	AM
X5	SSAKA0160CEZZ	J	Polyethylene Bag	AB

Ref. No.	Part No.	★	Description	Code
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PACKING PARTS (NOT REPLACEMENT ITEM)

S1	SPAKCC170WJZZ	—	Packing Case	—
S2	SPAKFA792WJZZ	—	Accessory Case	—
S3	SPAKPA360WJZZ	—	Wrapping Paper	—
S4	SPAKXA768WJZZ	—	Buffer Material	—
S5	TLABVA333WJZZ	—	Bar Code Label (for USA)	—

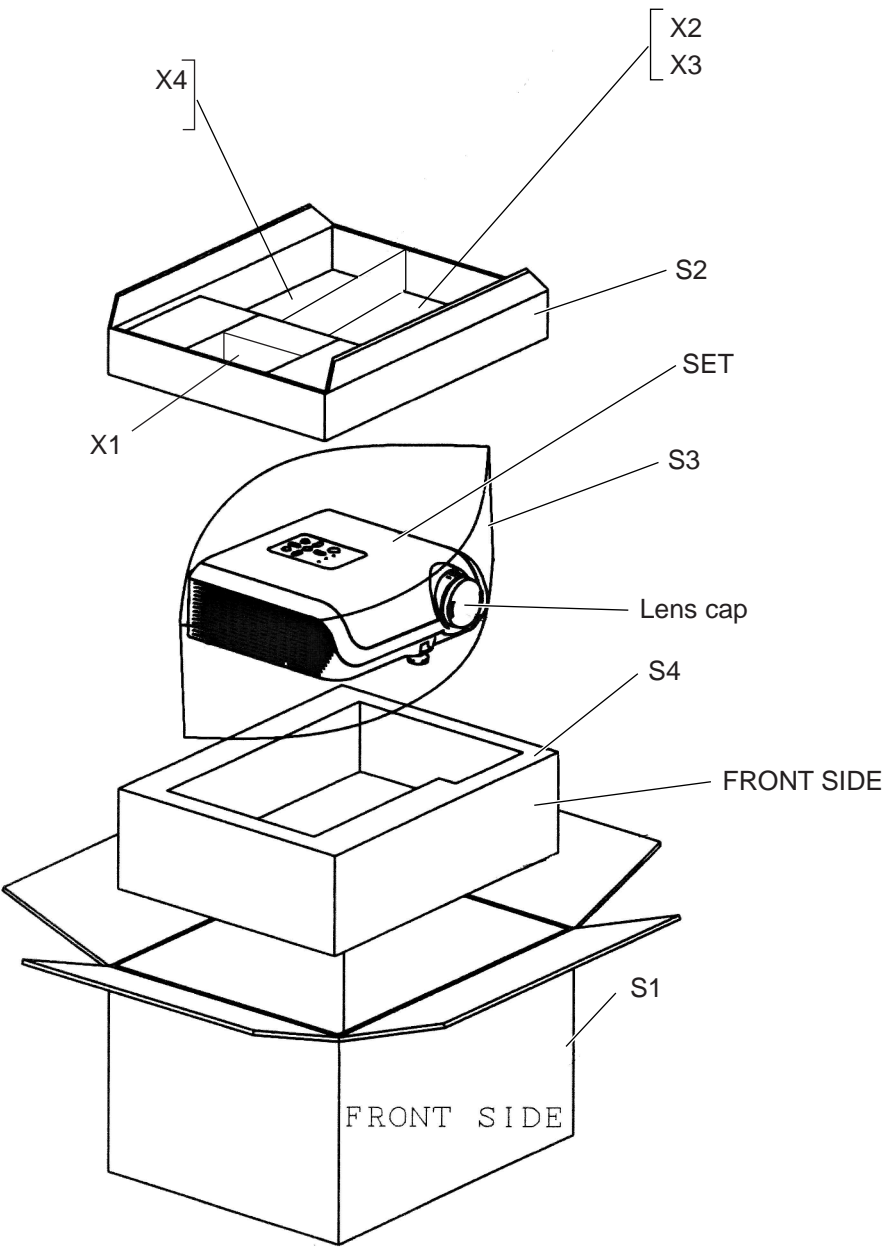
Supplied accessories

X1 Remote Control	X2 AC Cord*
	 For U.S. (6' (1.8 m))
X3 RCA to 15-pin D-sub cable	X4 Operation manual
 (9' 10" (3.0 m))	

SERVICE JIGS (Use For Servicing)

QCNW-C516WJQZ	J	Extension Cable, 3pins Main to Fan x2	AG
QCNWKA006WJZZ	J	Extension Cable, 4pins Main to Fan	AX
QCNW-E007WJZZ	J	Extension Cable, 3 to 2pins Adjustment to Lamp	AT
QCNWKA008WJZZ	J	Extension Cable, 14pins Main to Power	AP
QCNWKA009WJZZ	J	Extension Cable, 140pins Main to DMD	DA
RUNTZA018WJZZ	J	Adjustment Jig, for the Ballast Unit	DR
DBDYTA131WJZZ	J	Light leak jig	BS

PACKING OF THE SET



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